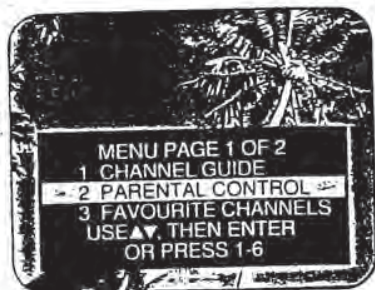
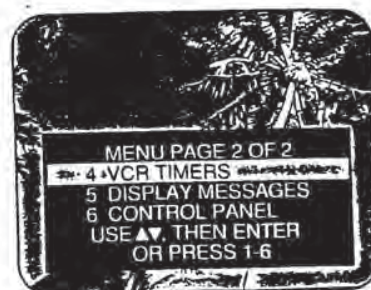


Jerrold INTERCON® 7000 Series **Model ICFT 2000**

Baseband Addressable Converter
With On-Screen Display



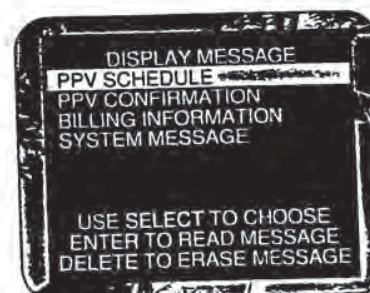
MAIN MENU



MAIN MENU



CHANNEL GUIDE



MESSAGE DISPLAY

IMPULSE, ENHANCED BASEBAND SCRAMBLING AND ON-SCREEN DISPLAY

FEATURES

- ON-SCREEN DISPLAY
- UNMATCHED BASEBAND SCRAMBLING
- DIN STEREO COMPATIBILITY

- ELECTRONIC PROGRAMME GUIDE CAPABILITY
- NICAM AND TELETEXT COMPATIBLE
- TWO-WAY UPGRADABLE

The Jerrold ICFT 2000 is a 550 MHz impulse-capable international baseband converter with consumer-friendly on-screen display programming capability and the unmatched scrambling security of baseband technology.

SUBSCRIBER FEATURES

The on-screen display feature is sophisticated, yet easy to use. Multi-coloured, simple-format menus and help message screens walk subscribers through even the more complicated converter functions, such as VCR timer programming and parental codes. It also makes purchasing PPV events and services even more convenient.

Channel I.D. When a subscriber changes channels, the on-screen display shows the channel number and name. It also indicates whether or not the converter is locked, parentally controlled or tuned to a favourite channel.

Volume Control Bar. When a subscriber presses the volume up/down key, the volume control bar appears on the screen. The bar's movement visually shows whether the volume has increased or decreased. Subscribers with stereo televisions or VCRs receive and enjoy stereo programming because the ICFT 2000 passes NICAM stereo signals.

VCR Timers. Subscribers can programme up

to eight events over a 365-day period. The ICFT 2000 makes it possible to programme events on a once, daily, weekly, weekday or weekend basis. It is also easy to review a correct already-programmed events.

Parental Control. The on-screen menus make it easier to activate and deactivate parentally controlled channels. The lock and key symbol and parental control banner messages remove any doubt whether the parental control feature is in use.

Subscriber Control Over Display Feature. Research has shown that subscribers have different preferences for either a clear solid menu background. The ICFT 2000

Jerrold INTERCON® 7000 Series Model ICFT 2000

Baseband Addressable Converter With On-Screen Display

allows the subscriber to change the menu background to a clear, partial or solid screen, depending on personal preference. They can also adjust the centering of menus on their televisions.

Remote Controls. The ICFT 2000 comes with a choice of three special remote controls—the TVRC-IOSD, MRC-OSD and the IN-VIEW. The TVRC-IOSD and MRC-OSD are feature-rich. Special keys have been added to control the on-screen display. The TVRC-OSD keypad uses colours to facilitate use. The TVRC-OSD remote control allows subscribers to turn the television on and off and control the TV's volume in addition to controlling the converter. The IN-VIEW is a limited function remote control that uses only 10 keys to control the converter's volume, power, channels and most of the on-screen display functions. The IN-VIEW's yellow colour and green wrist strap make the remote control easier to keep track of.

• OPERATOR FEATURES

The ICFT 2000 provides multiple screens of message space that operators can use to notify customers of important information. These screens can be used to verify customer appointments, remind customers of service changes or disconnect dates, and explain service outages. Notifying subscribers of weather hazards in the area is another example of how the operator can use this feature.

In addition, the message screens can serve as promotional tools, advertising upcoming pay-per-view events and services and limited free pay TV viewing, as well as important community events. They offer the potential for other creative revenue generating ideas, such as targeted advertising. Using the ICFT 2000, operators can send messages to specific subscribers, to a group of selected subscribers or to the entire subscriber base. Messages can be customer-designed with Jerrold's unique message editor, allowing operators to tailor their messages to suit specific needs.

• BARKERS

The ICFT 2000 comes with two types of barkers—converter-activated and operator-activated—allowing flexibility for operators who wish to guide subscriber viewing. All barker messages can be edited by the operator.

Converter-Activated Barkers. Besides providing video off-tuning, the operator can choose a character-generated message explaining why a channel is off limits and what steps are necessary to change this (unlock the converter, order the PPV service, etc.).

The ICFT 2000 offers six converter-activated barkers, four standard barkers (parental control, impulse pay-per-view, unauthorised pay and disconnect) and two optional barkers (turn-on that appears each time the subscriber turns on the converter and out-of-credit). These barkers are found in the channel map.

YOU HAVE BEEN AUTHORISED
FOR THE FOLLOWING EVENTS

12/25 "IT'S A WONDERFUL LIFE"
20:00 CH08

01/06 HOLYFIELD VS FOREMAN
22:00 CH36

Operator-Activated Barkers. These appear only on scrambled channels that subscribers are authorised to view. The operator can use these to verify purchase of PPV events and services or to provide movie/event-specific information (moving running time or movie description). Operator-activated barkers can be programmed and sent on a specific scrambled channel to an individual subscriber, a group of subscribers or the entire subscriber base.

• DOWNLOADABLE SYSTEM PARAMETERS

Downloadability gives the cable operator greater control and ease of operation. Using the ACC-4000 or the AH-4/4E controller, the operator can download such features as subscriber address, system site code, geographic code, output channel, barker channel, timeout period, custom channel assignment and input channel frequencies.

This downloading capability provides operator benefits such as centralised control over system functions, simplification of the installation process and reduction of inventory requirements. The software-selectable output channel capability enables the operator

to easily switch between different converter output channels. The 3/4 output channel allows for compatibility with subscriber VCRs so subscribers need not tune to one channel to watch TV and another to use the VCR. The output channel range 46/60 (UHF) is also available for PAL-I. This helps reduce inventory requirements by allowing interchange of converters between systems.

• IMPROVED SIGNAL SECURITY

Model ICFT 2000 descrambles Jerrold's modes of dynamic video inversion coupled with dynamic sync suppression. It also offers audio privacy. Jerrold's baseband scrambling scheme offers the most secure signal in the cable industry today, protecting operator investments in expensive pay and special event programming.

DANCES WITH WOLVES(R)

ACTION/ADVENTURE IN
POST-CIVIL WAR TIMES,
STARRING KEVIN COSTNER

(RUN TIME 2 HOURS)

WILL AIR AGAIN ON
TUES NOV 5th AT 22:00

• ELECTRONIC PROGRAMMING GUIDE (EPG)

The operator can use the ICFT 2000's in-band and out-of-band message capability to provide programme guide information to subscribers. The ways of presenting this type of information, and the type of information presented, are many. Examples of EPG information include movie and/or programme-specific descriptions of current and/or future programmes or movies. Schedule information is another possibility. Events/programmes in a specific period could be organized by subject matter.

• TWO-WAY UPGRADABILITY

The ICFT 2000 is upgradable to two-way operation using Jerrold's STARVUE® internal module. The ICFT 2000 lets operators offer push-button impulse pay-per-view programming to subscribers without expensive rework.

Jerrold INTERCON® 7000 Series Model ICFT 2000

Baseband Addressable Converter With On-Screen Display

SPECIFICATIONS

MODEL	ICFT 20★# ★ - 1 = 1 way; 2 = 2 way # - Output channel 3 = VHF Ch. 3/4 6 = UHF Ch. 46-60	Isolation (Input/Output)	70 dB min.
Input Frequency	46.75-552 MHz (excluding data carrier frequency)	Differential Gain	10% (max.)
HRC/IRC Frequency Assignments	Downloaded	Differential Phase	10 degrees (max.)
Number of Channels	62 PAL I - 8 MHz 72 PAL B - 7 MHz	Scrambling Method	Gated Sync Suppression or Dynamic Gated Sync Suppression, Video Inversion, Audio Privacy.
Dual A/B Cable Switching	Optional A/B switch (field upgradable)	On-Screen Display	Character Size: 12 x 18 pixels Screen Size: 12 rows x 24 columns Message/Barker Capacity: 14 pages Channel Descriptors: 4 characters, maximum
A/B Cable Indicator	LED in front display	Parental Control by Channel	100% user-controlled offering channel-by-channel selections
Input Video Level	0 dBmV to +15 dBmV	Mechanical Security	Std.: security screws; security pin; uni-chassis construction
Input Sound Level	10-14 dBc	Downloadable Parameters	Output Channel Initialization Command Terminal Logical Address System Site Code Time Out Period Terminal Configuration Authorisation Information Barker Channel(s) Consumer Feature Enable/Disable Subscriber Messaging Channel Descriptors Channel Cross Reference Map Decryption Key
Data Carrier Frequency	FSK Modulated FM Carrier 122.7 MHz		
Bandwidth Level	± 200 KHz standard FM -15 dBmV		
Video S/N	48 dB @ 0 dBmV input level		
Output Frequency Accuracy	± 100 KHz		
Stability	± 20 KHz		
Return loss:			
Input	6 dB min.		
Output	6 dB min.		
Spurious:			
Output	-57 dB max., in band		
Cross Modulation Distortion	-57 dB (PAL I-62 channels; PAL B-72 channels each @ +15 dBmV)	Two-way System Compatibility	Upgrade in field by addition of STARVUE™
Composite Second Order Distortion	-57 dB (PAL I-62 channels; PAL B-72 channels each @ +15 dBmV)	Operating Temperature Range	15°C to 40°C
Second Order Distortion	-64 dB (@ +15 dBmV input level)	Operating Humidity Range	5% to 95% (non-condensing)
Composite Triple Beat Distortion	-57 dB (PAL I-62 channels; PAL B-72 channels each @ +15 dBmV)	AC Voltage	216 VAC to 264 VAC, 50 Hz
Converted Input Beats (With all Input Signals)	-25 dBc (PAL I-62 channels; PAL B-72 channels each @ +15 dBmV)	Power Dissipation	20 Watts at 264 VAC
Hum Modulation Distortion	AM - 60 dBc FM - 20 KHz	Surge Protection	Surge protection provided on power supply and RF ports
Output Level	10-15 dBmV	Size	260.4 mm x 209.6 mm x 68.6 mm (LxWxH)
		Weight	2.7 kg

NOTE: Specifications subject to change without notice.

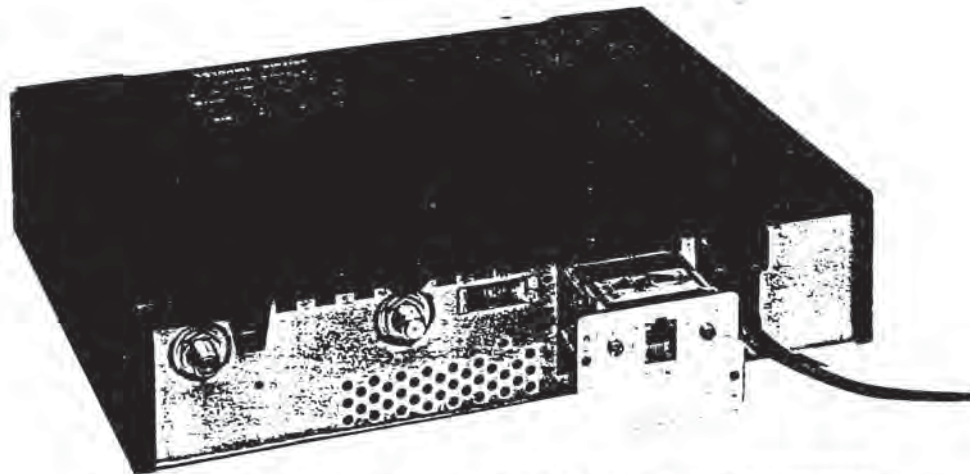
HANDHELD REMOTE CONTROL

MRC-OSD Transmission Range	Up to 7.6 metres in a direct line from the receiver/converter or up to 6.7 metres at an angle of ± 20 degrees from receiver center line	Power Requirements	Two 1.5 Volt IEC Type R03 batteries
		Weight	85 grams (with battery)
		Batteries	Included as standard

NOTE: Specifications subject to change without notice.

JERROLD COMMUNICATIONS, General Instruments Corporation, 100-55 100th Ave. (at 104th St.) Canada, Toronto, Ont. M3J 1G8 (789-7831). In Europe: Resound, Ireland - 01-774-75555.

ICFT 7000 Series



ECONOMICAL IMPULSE MODEM FOR ONE-WAY SYSTEMS

FEATURES

- **IMPULSE ORDERING**
- **INCREASED REVENUE OPPORTUNITIES**
- **TELEPHONE NETWORK RETURN PATH**
- **SUBSCRIBER SELECTED ACCESS CODE**
- **PROGRAMMABLE CREDIT LIMIT**
- **FIELD UPGRADABLE**

The Jerrold STARFONE unit allows one-way addressable systems to offer impulse pay-per-view events using IMPULSE 7000™ Series addressable converters. STARFONE is the cost-effective way to expand from one-way addressability to a two-way communications network.

STARFONE is packaged as an internal module for IMPULSE 7000 Series converters.

The STARFONE IPPV system employs the cable system for downstream communications to subscribers' homes and a telephone return path for upstream communications. The store-and-forward technology used in the STARFONE system permits instant authorization of subscriber terminals while a programmable credit limit enables operators to restrict the maximum purchase limit for each subscriber.

After the subscriber has keyed in a purchase, the information associated with the event, including service code, date and time, is automatically stored in the tamper-resistant, non-volatile memory. A Jerrold addressable controller collects this data from the addressable terminals and periodically transfers the information to the billing computer.

STARFONE, with its impulse pay-per-view capability, offers a new source of revenue for one-way addressable operators without incurring the costs of installing a two-way distribution plant.

• **IMPULSE PAY-PER-VIEW**

Subscribers can choose programming before, during or even after an event has begun according to system operator wishes and without the direct intervention of the cable operator. This reduces system operating costs, while offering new ways to increase system revenues.

• **INCREASED REVENUE OPPORTUNITIES**

In addition to impulse pay-per-view, STARFONE allows one-way addressable system operators to offer other services such as shop-at-home.

• **TELEPHONE NETWORK RETURN PATH**

By employing the existing telephone return path for upstream communications, the STARFONE system reduces overall operating expenses. STARFONE helps an operator avoid the cost of return data electronics and is also less expensive to maintain than a two-way distribution plant.

• **SUBSCRIBER SELECTED ACCESS CODE**

A unique subscriber access code eliminates unintentional selection of events while the LED display tells the subscriber when an event is available for purchase.

• **PROGRAMMABLE CREDIT LIMIT**

A credit limit programmed into each subscriber's terminal helps control accounts receivable and protects system revenues by denying purchases to subscribers who have exceeded their credit limit.

• **FIELD UPGRADABLE**

An economical add-on unit, compatible with the IMPULSE 7000 Series, the STARFONE IPPV system allows operators to upgrade one-way addressable systems to two-way capability without replacing existing equipment.

SPECIFICATIONS: MODEL SF-T

SF-T: STARFONE FOR IMPULSE 7000, ALL MODELS

RETURN PATH DATA	SF-T
Baud Rate	300 Baud/8-BIT Bell 103 Compatible Full Duplex (originate only)
Data Security	Encrypted Data With Password
Dialing	Automatic Pulse Dial up to 11 Digits
Data Storage	Up to 63 Transactions
Storage Mechanism	Tamper-resistant RAM
Security	Time-out if Purchases Uncollected VLSI Technology Tamper Evidence
Access Code	4-Digit Subscriber Selected
Connections	from Converter Electrical: Ribbon Cable

For DP5 units with serial numbers beginning with T use the SF-C model.

Model ACC-2000

System



ECONOMICAL ADDRESSABLE CONTROL SYSTEM

FEATURES

- CONTROLS UP TO 32,000 CONVERTERS
- MULTI-USER/MULTI-TASKING OPERATION
- AUTOMATED CHANNEL CONTROL
- STARFONE IMPULSE MODULE CONTROLLER

The Jerrold Addressable Control Computer (Model ACC-2000) provides central control of individual subscriber services. The ACC-2000 system includes the computer, associated peripherals and a state-of-the-art software package.

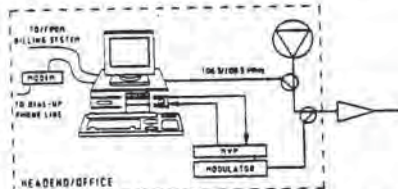
The ACC-2000 is the heart of the addressable system, whose components include the addressable converter/descramblers, data path equipment, scramblers and the addressable control computer. Located at either the office or the headend, the ACC-2000 can authorize specific program material or a group of programs for all one-way converters or for STARFONE-equipped converters installed within the cable system. Also, the ACC-2000 will support DCR tuners.

MODEL ACC-2000

The addressable system transmits two types of information to the converter.

- A unique identification code carried within each scrambled channel (service or tag) to identify specific programs or groups of programs. The scrambler/encoder on each secured premium channel transmits this information.
- An authorization message for each converter installed in the system. This message lists service codes (tags) authorized for every individual converter. A separate RF carrier transmits the message for each address.

These two signals are compared by the converter. If there is a match between the two then the converter's descrambler activates. Conversely, if a match is not realized, the subscriber is not allowed to



receive the program. The ACC-2000 maintains the list of addresses and their individual authorizations.

ONE WAY CONTROL

The ACC-2000 provides an economical means to control one-way subscription services and impulse ordering data via the telephone return path. The standard configuration controls up to 32,000 addressable converters.

The enhanced 80X86 computer is the base for the ACC-2000. The standard configuration includes a 52 MB hard disk drive, 3.5-inch and 5.25 inch floppy disk drives and a 4 MB of internal RAM memory. The base 80X86 computer is a 16-bit machine operating at an internal clock speed of 20 MHz. The ACC-2000 includes a color VGA monitor, eight-port multiplexor, diagnostic modem, and a custom Jerrold Communications cable interface.

The system supports an interface to a billing computer or may be operated in a stand-alone mode. The billing interface, also known as the wirelink, uses the same format as the Jerrold AH-4E or AI-O controller. In a stand-alone mode, the subscriber data base may contain optional specific information on each subscriber, including account number, name, address and phone number. Any of these data base keys can be used to generate reports.

OPERATOR FRIENDLY

The user-friendly software requires no special computer knowledge. Subscriber information is entered or changed through one or more operator CRTs. Automatic default values for entries that

seldom change keep data entries minimal. A full converter data base includes authorized channel packaging, pay-per-view events, channel mapping, converter status, Barker channels, time-of-day broadcasts and converter feature enable/disable records.

Information contained within the ACC-2000's data base is continuously transmitted to converters by the cable interface board, which formats and transmits the addressable data stream. The cable interface contains an RF data modulator that can be switched to either 106.5 or 108.5 MHz. The ACC-2000's cable interface board also contains baseband data input and output ports for communicating to either remote headend locations or remotely controllable MVP scramblers.

ACC-2000 SOFTWARE

The ACC-2000 software is Xenix™-based, providing a multi-tasking multi-user control system. The password-controlled user software organizes into two operational modes on- or off-line. The on-line mode controls all converter addressing functions, initializations, access to converter and subscriber information, impulse pay-per-view event schedules and MVP channel programming functions. The off-line mode allows creation and restoration of data base files and definition/modification of system-wide configuration information.

IMPULSE ORDERING

The ACC-2000 provides an effective impulse ordering management system. Standard dial-up phone lines from Jerrold STARFONE-equipped converters collect store-and-forward impulse purchases. STARFONE data collection modems are optional with the ACC-2000. Purchase information is collected and stored in a batch file for transfer to the host billing computer over the wire link. The ACC-2000 allows schedules for multiple impulse pay-per-view channels to be entered via modem.

JERROLD
COMMUNICATIONS

G

Hartford Research

10. What features or uses of the navigator do you like most? (Probe) Anything else?
[Multiple response]

Remote control operation.....	6%
Moving around main menu.....	20%
Sorting and listing programs in main menu	24%
Browsing other channels while watching one.....	29%
Program reminder feature.....	7%
Program search feature.....	20%
Favorite channel feature	5%
Parental controls.....	8%
Pay per view ordering	8%
Messaging	1%
Listings seven days in advance.....	6%
Information by time	6%
The information - general.....	4%
Descriptions	2%
Movie information	8%
Don't need TV guide.....	1%
Can access channel.....	2%
The information button	1%
All/everything	5%
Other	5%
Nothing in particular	6%
DK/NS.....	2%

11. Next I will read a list of features and uses of ALL-TV's on-screen navigator. Please tell me if each one is something you really couldn't do without, or something you wouldn't really miss if you didn't have it. If you are not familiar with a feature, or have never used it, just say so. [Read list]

	Couldn't do without	Wouldn't miss	Don't know Don't use	DK/NS
a. Sorting and listing programs in the main menu	63%	20%	15%	2%
b. Searching for a program by name	53%	35%	12%	0%
→ c. Browsing other channels while watching one.....	72%	18%	10%	0%
d. Setting reminders to watch specific programs.....	59%	34%	6%	1%
e. Pay per view ordering using your remote control	75%	18%	6%	1%
f. Parental control feature	43%	39%	16%	3%
g. Setting favorite channels	39%	43%	18%	0%
h. System messaging.....	13%	55%	29%	4%
i. Watching one program while taping another	35%	14%	50%	1%
j. Listings a full seven days in advance.....	34%	41%	26%	0%

H

**Comcast Detroit Advanced Set Top/Prevue Interactive Study
Topline Comparison with CTAM Advanced Analog Set Top Study**

Objective:

Compare consumer usage and satisfaction levels between Prevue Interactive and the native guides on the CFT-2200 platform. This is a continuation of comparative research performed on PI vs. native guides, and is the first information from consumers who have had the guide in-home for a short period of time.

Methodology:

200 subscribers with the Power Box (CFT-2200) in Detroit's Comcast system were surveyed in late November, 1996. These results have been compared to a CTAM Advanced Analog Set Top Study conducted in September, 1996 which included four systems with the GI native guide and three systems with the SA native guide. The CTAM questionnaire was slightly modified for the Detroit system, and additional questions regarding Prevue services were added.

Summary:

Below is an overview of findings from the two studies. There is a wealth of information regarding subscriber attitudes towards the Power Box and Prevue Interactive in Detroit, as well as comparative data between PI and the native guides. Detroit information can be tabulated in various ways, including guide users, premium subs, PPV users, Prevue Channel users, Sneak Prevue users, Prevue/Sneak users, non-Prevue/Sneak users, PC users, those most satisfied with the box, and so on. If you have specific areas of interest, please let us know and we can pull additional data for you.

Subscriber/AA Box info:

	CTAM Set Top Study (Native Guides)	Detroit/Comcast Study (Prevue Interactive)
Basic Subscribers	100%	100%
Premium Subscribers	74%	53%
Average # Hrs Watch TV (Weekdays)	6.0	9.9
PC Ownership	47%	36%
Avg # of AA Boxes in home	1.8	1.9
Length of time AA box in home:		
Under 2 months	29%	39%
2+ months	69%	58%

Satisfaction with the interactive program guide/navigator:

	CTAM Base = 1,053	Comcast Detroit Base = 200
Satisfied (4,5 rating)	61%	80%
Not satisfied (1,2 rating)	5%	4%
Satisfaction among premium subs	65%	83%
Satisfaction among PPV subs	68%	86%

Satisfaction with Prevue Interactive is higher among (all subs = 80%):

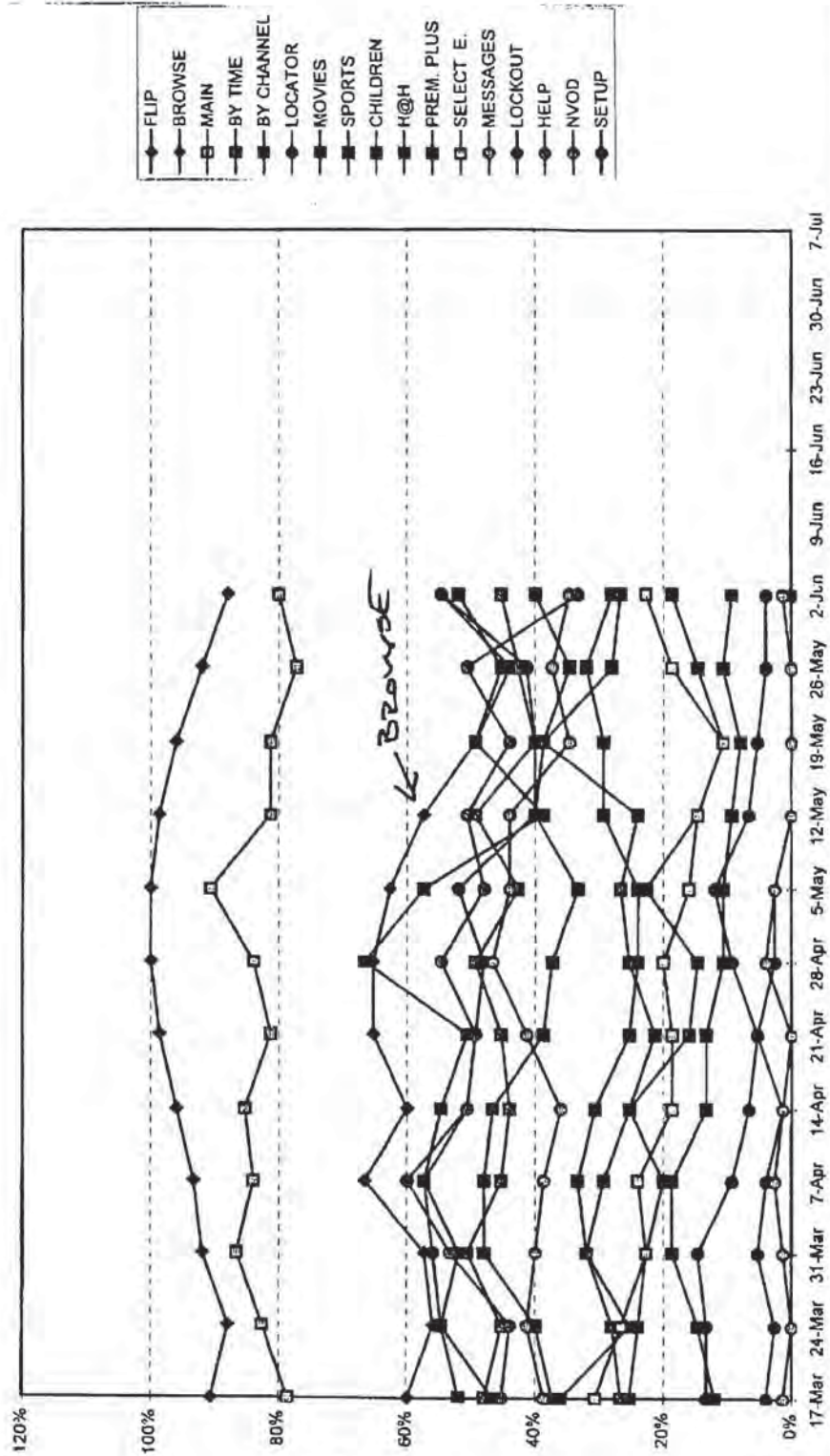
Users of the guide - 85%; premium subs -83%; PPV subs - 86%; subs very satisfied w/box 90%; Age 18-34 years - 90%; single - 87%

Percent of customers using feature:

	CTAM	Comcast Detroit
On-screen display of time/channel/station ID	93%	97%
Lock by channel	49%	47%
Favorite channels	71%	63%
Impulse PPV	63%	39%
VCR control	60%	52%
VCR control through interactive guide/navigator by clicking on title	47%	44%
Interactive program guide/navigator	76%	87%
Spending limits	40%	37%
→ Browse	52%	78%
Music Choice feature	41%	66%
Channel scan	57%	79%
Lock by rating	46%	56%
On-screen display of channel name and program title	90%	94%

TV - KOSPEC

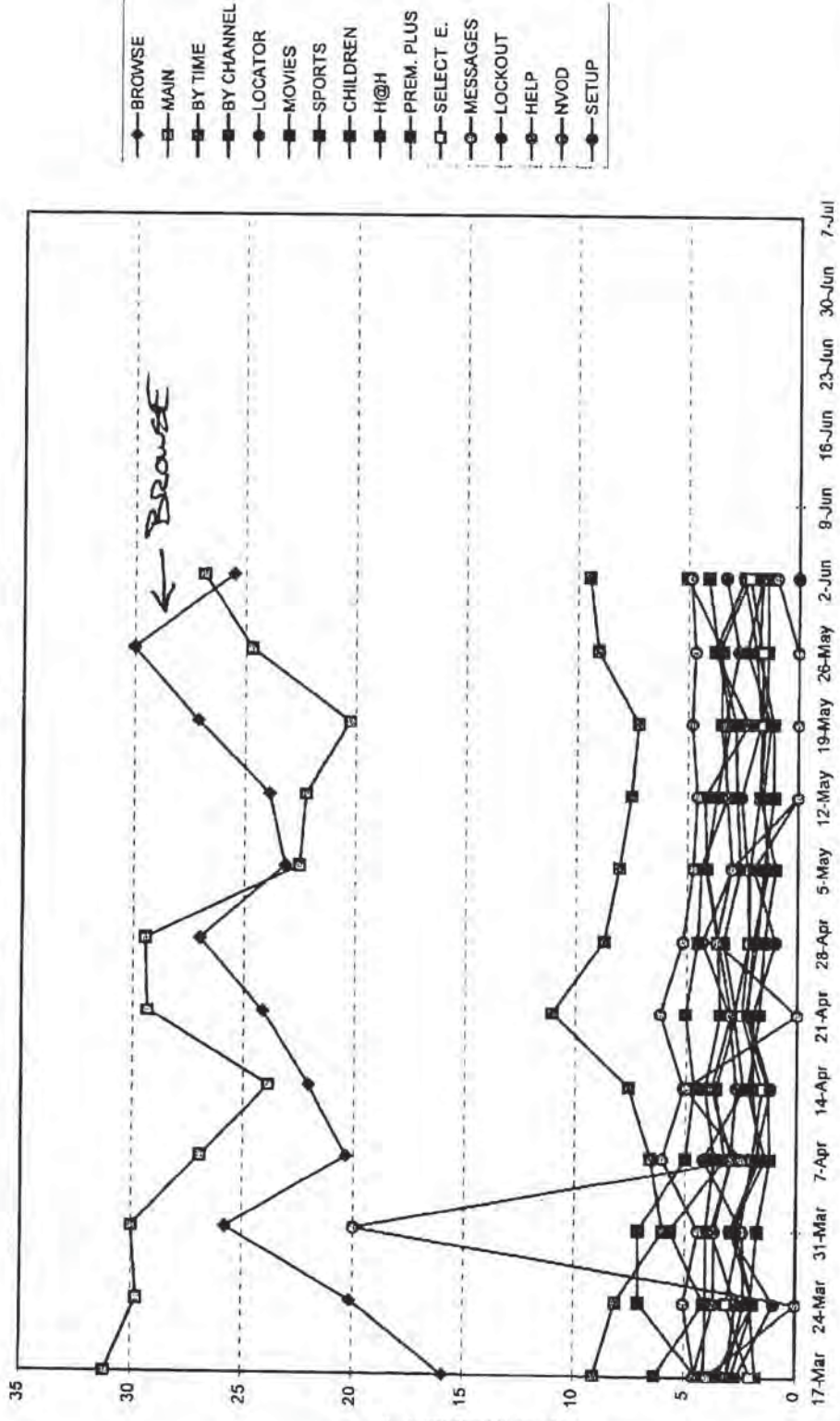
What % of households use each feature?



TV Guide On Screen Confidential

MT. PROSPECT

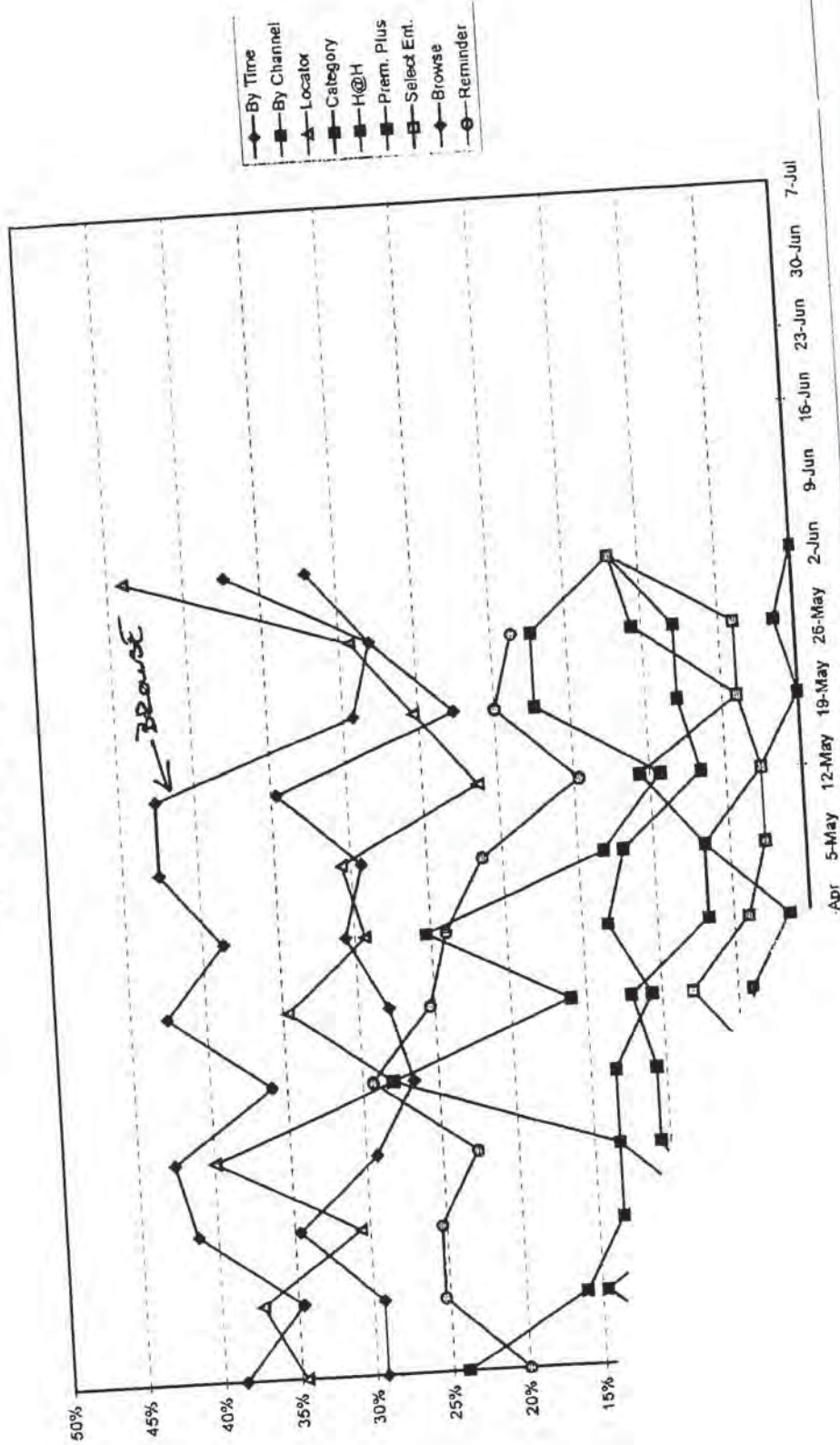
Of those households who use the other features,
how many times per week, on average, do they use them?



TV Guide On Screen Confidential

1-17. TRASPACT

What % of households tune from a source other than Flip and direct entry?



TV Guide On Screen Confidential

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NEW YORK, NY 10004



Certificate of Accuracy

TRANSLATION

From Japanese into English

STATE OF NEW YORK }
COUNTY OF NEW YORK } s.s.:

On this day personally appeared before me Elisabeth A. Lucas
who, after being duly sworn, deposes and states:

That he is a translator of the Japanese and English languages by profession and as such connected with the LAWYERS' & MERCHANTS' TRANSLATION BUREAU:

That he is thoroughly conversant with these languages:

That he has carefully made the attached translation (on the official paper of the LAWYERS' & MERCHANTS' TRANSLATION BUREAU) from the original document written in the Japanese language; and

That the attached translation is a true and correct English version of such original, to the best of his knowledge and belief.

SUBSCRIBED AND SWORN TO BEFORE ME
THIS

MAY 11 2000

Susan Tapley

Susan Tapley
Notary Public, State of New York
NO. 01TA4999804
Qualified in Queens County
Certificate filed in New York County
and Kings County
Commission Expires July 27, 2000

ix/mcc -



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/119,367 09/09/93 BENNINGTON

26M1/0915

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EXAMINER

LEE, M

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Pat. No. 05480127 - 9
Issue Date: 09/17/01

Group ID: A
User ID: Rxharri

Page 1
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INTERNATIONAL SEARCH REPORT

International Application No. PCT/US91/06367

I. CLASSIFICATION OF SUBJECT MATTER (In several classification symbols apply, indicate all) According to International Patent Classification (IPC) or to both National Classification and IPC		
IPC(5): H04N 5/76 U.S. CL.: 358/335		
II. FIELDS SEARCHED		
Minimum Documentation Searched		
Classification System	Classification Symbols	
U.S.	358/335, 310, 86, 186 360/33.1, 14.1	
Documentation Searched other than Minimum Documentation to the extent that such Documents are included in the Fields Searched		
III. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of Document, ** with indication, where appropriate, of the relevant passages	Relevant to Claim No. *
Y	US, A, 4,847,696 (MATSUMOTO ET AL.) 11 July 1989. See figure 10 and Column 9, lines 22-50	1-50
Y	US, A, 4,841,132 (KAJITANI ET AL.) 20 June 1989. See figure 8 and column 6, lines 5-61.	1-50
Y	US, A, 4,908,713 (LEVINE) 13 March 1990. See figure 2 and lines 52, Column 1 to line 45 Column 2.	51-68
Y	US, A, 4,750,036 (MARTINEZ) 07 June 1988. See figure 14 and column 24, lines 14-58.	51-68
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Y,P	US, A, 4,977,455 (YOUNG) 11 December 1990. See figure 1 and Column 2, line 68 to Column 3, line 57.	69-113
* Special categories of cited documents: * "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "Z" document member of the same patent family		
IV. CERTIFICATION		
Date of the Actual Completion of the International Search		Date of Making of this International Search Report
20 DECEMBER 1991		30 DEC 1991
International Searching Authority		Signature of Authorized Officer
ISA/US		HUNG DANG

Form PCT/ISA/210 (original sheet) (Rev. 11-87)

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CHECK LIST

<u>Rule 47</u>	<u>Continuing Data</u>	<u>PCT</u>	<u>Disclaimer</u>
No	No	No	No
<u>Microfiche Appendix</u>	<u>CPA tag</u>		
No	No		

Foreign Priority Claimed: No
Acknowledged: No

State Code: CO Country Code:

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JACKET

<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
08/119,367	09/09/93	725	40	2614

FOREIGN PRIORITY
Country Document Number Date

DISCLAIMER

/ /

TITLE

Electronic television program guide schedule system and method

MICROFICHE APPENDIX

ASSISTANT EXAMINER:

First: Middle: Last:

PRIMARY EXAMINER:

First: Middle: Last:

Michael

Lee

CLAIMS ALLOWED
Total Print

Pat. No. 05480127 - 9
Issue Date: 09/17/01

Group ID: A
User ID: Rxharri

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48 1

DRAWINGS

<u>Sheets</u>	<u>Figures</u>	<u>Print</u>
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41	42	Y
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BLUE SLIP INFORMATION

<u>SERIAL NUMBER</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
08/119,367	725	40	2614

INDEP. CLAIMS

TOTAL CLAIMS

1,2,3,4,5,11,14,15,16,17,19,20,22,23,24,25,28,29,30,33,34,39,40,41,42,
4348

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BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

<u>Class</u>	<u>SubClass</u>
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H04N	7/14;5/50
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CROSS-REFERENCES

<u>Class</u>	<u>SubClass</u>
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725	39
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348	569;906
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TERM EXTENSION

0

FIELD OF SEARCH

<u>Class</u>	<u>SubClass</u>
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348	906;460;461;463;464;465;466;467;468;731;732;734;6;7;8;10;12;13; 563;569;570;473;474
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455	186.1;186.2
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Group ID: A
User ID: Rxharri

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H04N 7/087;7/04;7/08;5/50;5/44;7/14
725 39;40;43

=====

DATE

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Gerard	E.	Bennington	Yes
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INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
George		Backer	Yes
<u>City:</u>	Highlands Ranch		

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Shawn		Green	Yes
<u>City:</u>			

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Bill		Cooper	Yes
<u>City:</u>	both of Littleton		

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Dave		Spell	Yes
<u>City:</u>	Denver		

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Rosetta		Rogers	Yes
<u>City:</u>			

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User ID: Rxharri

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City: Aurora

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Bruce		Davis	Yes

City: Greenwood Village, all of

State: CO ZIP Code: Country: Foreign ZIP:

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PCT INFO

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CONTINUING DATA (Page 1)

<u>LINE</u>	<u>CODE</u>	<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>STATUS</u>	<u>DOCUMENT NO.</u>	<u>ISSUE DATE</u>
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REFERENCES (Page 1) SERIAL NUMBER: 08/119,367
FORM 892

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User ID: Rxharri

Page 1
KS: 8,498

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Dates

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CHECK LIST

<u>Rule 47</u>	<u>Continuing Data</u>	<u>PCT</u>	<u>Disclaimer</u>
No	No	No	No
<u>Microfiche Appendix</u>	<u>CPA tag</u>		
No	No		

Foreign Priority Claimed: No
Acknowledged: No

State Code: CO Country Code:

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JACKET

<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
08/119,367	09/09/93	725	40	2614

FOREIGN PRIORITY
Country Document Number Date

DISCLAIMER

/ /

TITLE

Electronic television program guide schedule system and method

MICROFICHE APPENDIX

ASSISTANT EXAMINER:
First:

Middle:

Last:

PRIMARY EXAMINER:
First:

Middle:

Last:

Michael

Lee

CLAIMS ALLOWED
Total Print

48 1

DRAWINGS

Sheets Figures Print

41 42 Y

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BLUE SLIP INFORMATION

<u>SERIAL NUMBER</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
08/119,367	725	40	2614

INDEP. CLAIMS

TOTAL CLAIMS

1,2,3,4,5,11,14,15,16,17,19,20,22,23,24,25,28,29,30,33,34,39,40,41,42,
4348

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BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

Class SubClass

H04N 7/14;5/50

CROSS-REFERENCES

Class SubClass

725 39

348 569;906

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TERM EXTENSION

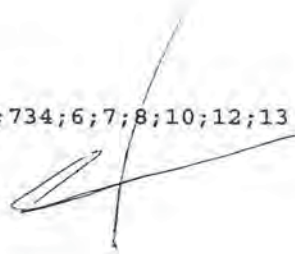
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FIELD OF SEARCH

Class SubClass

348 906;460;461;463;464;465;466;467;468;731;732;734;6;7;8;10;12;13
 ;563;569;570;413;414

455 186.1;186.2



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H04N 7/087;7/04;7/08;5/50;5/44;7/14

725 39;40;43

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OATH

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Gerard	E.	Bennington	Yes
<u>City:</u>	Englewood		

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
George		Backer	Yes
<u>City:</u>	Highlands Ranch		

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Shawn		Green	Yes

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Bill		Cooper	Yes
<u>City:</u>	both of Littleton		

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Dave		Spell	Yes
<u>City:</u>	Denver		

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Rosetta		Rogers	Yes

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User ID: Rxharri

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City: Aurora

INVENTOR NAME

First:

Middle:

Last:

Signed:

Bruce

Davis

Yes

City: Greenwood Village, all of

State: CO

ZIP Code:

Country:

Foreign ZIP:

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PCT INFO

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CONTINUING DATA (Page 1)

LINE CODE SERIAL NUMBER FILING DATE STATUS DOCUMENT NO. ISSUE DATE

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REFERENCES (Page 1) SERIAL NUMBER: 08/119,367
FORM 892

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Issue Date: 09/17/01

Group ID: A
User ID: Rxharri

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FORM 1449

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Pat. No. 05480127 - 9
Issue Date: 09/17/01

Group ID: A
User ID: Rxharri

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REFERENCES (Page 20) SERIAL NUMBER: 08/119,367
FORM 1449

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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

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REFERENCES (Page 21) SERIAL NUMBER: 08/119,367
FORM 1449

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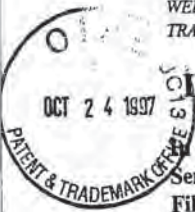
<u>Foreign</u>	<u>Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

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WEIL, GOTSHAL & MANGES
TRANSMITTAL

ATTORNEY DOCKET NO.:



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Bennington et al.

Serial No: 08/119,367

Filed: September 9, 1993

For: Electronic Television Program Schedule System and Method

Docket No: 77118.0005

Group No: 2602

Examiner: Lee, M.

Hon. Commissioner of Patent and Trademarks, Application Processing Division
Washington, D.C. 20231

TRANSMITTAL

Responsive to the Office Action mailed September 24, 1997, Applicants submit the following:

1. Response to Office Action
2. Return Postcard

FEE DEFICIENCY

- ☒ In the event that additional fees are required, the Commissioner is authorized to charge these to deposit account No. 23-0800.
- ☒ As no abandonment is intended by any inadvertent nonpayment of fees, the Commissioner is hereby authorized to charge payment of such fees as from time to time come due, if not paid prior to due date to our Deposit Account No. 23-0800.
- ☒ A duplicate copy of this sheet is enclosed.

Dated: October 20, 1997

Respectfully submitted,

Daniel A. DeVito
Reg. No. 32,125

WEIL, GOTSHAL & MANGES LLP
767 Fifth Avenue
New York, NY 10153
(212) 310-8866

CERTIFICATE OF MAILING (37 C.F.R. 1.8)

I hereby certify that this paper is being deposited with the United States Post Office on the date below with sufficient postage as first class mail in an envelope addressed to The Commissioner of Patents and Trademarks, Washington, D.C. 20231

Signed:

Dated:

October 20, 1997

Page 1

NYPS11...001998090001(MASTER)33-FEEDEF.TRN

Exhibit 3

TV Guide On Screen

Q & A

Q: How are you addressing the possible resistance this new interactive technology may encounter among viewers?

A: We've incorporated a consumer-friendly design using simple, colorful graphics to make the service non-threatening and non-technical to the user. More important, the steps the viewer needs to take in order to access and use this interactive service have been kept simple and intuitive. As most cable viewers are comfortable using their remotes, TV Guide On Screen design is ideal. Anyone watching cable will be able to access the electronic TV Guide without instructions.

Q: How will this technology affect Pay Per View?

A: In impulse systems, TV Guide On Screen can be set up to allow cable subscribers to order directly through the electronic guide, while cable operators using the ANI and ARU systems will benefit from specific ordering information which will follow the Pay Per View listings and descriptions. Thus, TV Guide On Screen promises to be a powerful Pay Per View marketing tool for all cable operators.

Q: Won't this conflict with your printed guide?

A: No, it will complement it. TV Guide On Screen will enhance TV Guide's reputation as the leader in providing the best programming information in the country and will be supported in print by TV Guide.

Q: How much control will we have over this service in the headend?

A: We're providing you with maximum control by using a methodology that utilizes parts of the cable spectrum that are easily managed by your headend, as opposed to trying to make our feed fit the inherent inadequacies of the VBI.

Q: How expensive is this system?

A: In determining the quantity of graphics and data to make available, we established a threshold which satisfies two aims:

1. A level of service which addresses viewer needs
2. A service inexpensive enough to be included in all future converter boxes

For more information, call Brian Margolis, Electronic Program Guide Director at 212.819.3712



Exhibit 1

A



PATENT

Docket No. 77118.0003

Box Patent Application
Commissioner of Patents and Trademarks
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s):

Gerald E. Bennington
Shawn Green
Dave Spell

George Backer
Bill Cooper
Rosetta Rogers

Bruce Davis

WARNING: Patent must be applied for in the name(s) of all of the actual inventor(s). 37 CFR 1.41(a) and 1.53(b).

For (title):

Electronic Television Program Guide Schedule System and Method

1. Type of Application

This new application is for a(n) (check one applicable item below):

- ☒ Original
☐ Design
☐ Plant

WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4) unless the International Application is being filed as a divisional, continuation or continuation-in-part application.

NOTE: If one of the following 3 items apply then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED.

- ☐ Divisional
☐ Continuation
☐ Continuation-in-part (CIP)

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date Sept. 9, 1993 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EB167371380 US addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Steven J. Rizzo
(Type or print name of person mailing paper)

Steven J. Rizzo
(Signature of person mailing paper)

NOTE: Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 CFR 1.10(b).

(Application Transmittal [4-1]—page 1 of 7)

2. Benefit of Prior U.S. Application(s) (35 USC 120)

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., then check the following item and complete and attach **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED**.

- ☐ The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED**.

3. Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b) (Regular) or 37 CFR 1.153 (Design) Application

62 Pages of specification
3 Pages of claims
1 Pages of Abstract
39 Sheets of drawing

- ☐ formal
☒ informal

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. Comments on proposed new 37 CFR 1.84. Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identifying indicia such as the serial number, group and unit, title of the invention, attorney's docket number, inventor's name, number of sheets, etc., not to exceed 2 3/4 inches (7.0 cm.) in width may be placed in a centered location between the side edges within three fourths inch (19.1 mm.) of the top edge. Either this marking technique on the front of the drawing or the placement, although not preferred, of this information and the title of the invention on the back of the drawings is acceptable." Proposed 37 CFR 1.84(1). Notice of March 9, 1988 (1990 O.G. 57-62).

4. Additional papers enclosed

- ☐ Preliminary Amendment
☐ Information Disclosure Statement
☐ Form PTO-1449
☐ Citations
☐ Declaration of Biological Deposit
☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative
☐ Special Comments
☐ Other

(Application Transmittal [4-1]—page 2 of 7)

5. Declaration or oath

☐ Enclosed

executed by (check all applicable boxes)

☐ inventor(s).

☐ legal representative of inventor(s). 37 CFR 1.42 or 1.43

☐ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.

☐ this is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 13 below for fee.

☒ Not Enclosed.

WARNING: Where the filing is a completion in the U.S. of an International Application but where a declaration is not available or where the completion of the U.S. application contains subject matter in addition to the International Application the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

☒ Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all the above named inventor(s). The declaration or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently.

NOTE: It is important that all the correct inventor(s) are named for filing under 37 CFR 1.41(c) and 1.53(b).

☐ Showing that the filing is authorized. (Not required unless called into question. 37 CFR 1.41(d).)

6. Inventorship Statement

WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.

The inventorship for all the claims in this application are:

☒ The same

or

☐ Are not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,

☐ is submitted.

☐ will be submitted.

7. Language

NOTE: An application including a signed oath or declaration may be filed in a language other than English. A verified English translation of the non-English language application and the processing fee of \$30.00 required by 37 CFR 1.17(k) is required to be filed with the application or within such time as may be set by the Office. 37 CFR 1.52(d).

NOTE: A non-English oath or declaration in the form provided or approved by the PTO need not be translated. 37 CFR 1.69(b).

☒ English

☐ non-English

☐ the attached translation is a verified translation. 37 CFR 1.52(d).

(Application Transmittal [4-1]—page 3 of 7)

8. AssignmentNews America Publishing Inc. and
Tele-Communications of Colorado, Inc.☒ An assignment of the invention to _____☐ is attached.☒ will follow.

NOTE: "If an assignment is submitted with a new application, send two separate letters—one for the application and one for the assignment." Notice of May 4, 1990 (1114 D.G. 77-78).

9. Certified Copy

Certified copy(ies) of application(s)

(country)	(appln. no.)	(filed)
(country)	(appln. no.)	(filed)
(country)	(appln. no.)	(filed)

from which priority is claimed

☐ is(are) attached. A separate "ASSIGNMENT COVER LETTER ACCOMPANYING NEW PATENT APPLICATION" is also attached.☐ will follow.

NOTE: The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 CFR 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. 120 is itself entitled to priority from a prior foreign application then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

10. Fee Calculation (37 CFR 1.16)**A. ☒ Regular application**

CLAIMS AS FILED			
Number filed	Number Extra	Rate	Basic Fee
			\$690 710
Total			
Claims 37 CFR 1.16(c) 8-20=	X	\$20	-
Independent			
Claims (37 CFR 1.16(b)) 2-3=	X	\$72	-
Multiple dependent claim(s), if any			
(37 CFR 1.16(d))		\$220	220

☐ Amendment cancelling extra claims enclosed.☐ Amendment deleting multiple-dependencies enclosed.☐ Fee for extra claims is not being paid at this time.

NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 CFR 1.16(d).

Filing Fee Calculation

\$ 930

(Application Transmittal [4-1]—page 4 of 7)

- B. ☐ **Design application**
(\$250.00—37 CFR 1.16(f))

Filing Fee Calculation \$ _____

- C. ☐ **Plant application**
(\$420.00—37 CFR 1.16(g))

Filing fee calculation \$ _____

11. Small Entity Statement(s)

- ☐ Verified Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is(are) attached.

Filing Fee Calculation (50% of A, B or C above) \$ _____

NOTE: Any excess of the full fee paid will be refunded if a verified statement and a refund request are filed within 2 months of the date of timely payment of a full fee. 37 CFR 1.28(a).

12. Request for International-Type Search (37 CFR 1.104(d)) (complete, if applicable)

- ☐ Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

13. Fee Payment Being Made At This Time

- ☐ Not Enclosed

- ☐ No filing fee is to be paid at this time. (*This and the surcharge required by 37 CFR 1.16(e) can be paid subsequently.*)

- ☒ Enclosed

☒ basic filing fee \$ 930

☐ recording assignment
(\$8.00; 37 CFR 1.21(h)) \$ _____

☐ petition fee for filing by other
than all the inventors or person
on behalf of the inventor where
inventor refused to sign or cannot
be reached. (\$120.00; 37 CFR
1.47 and 1.17(h)) \$ _____

☐ for processing an application with
a specification in a non-English
language. (\$30.00; 37 CFR 1.52(d) and
1.17(k)) \$ _____

☐ processing and retention fee
(\$120.00; 37 CFR 1.53(d) and 1.21(l))

☐ fee for international-type search report (\$30.00;
37 CFR 1.21(e)). \$ _____

NOTE: 37 CFR 1.21(l) establishes a fee for processing and retaining any application which is abandoned for failing to complete the application pursuant to 37 CFR 1.53(d) and this, as well as the changes to 37 CFR 1.53 and 1.78, indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid or the processing and retention fee of § 1.21(l) must be paid within 1 year from notification under § 53(d).

Total fees enclosed \$ 930

(Application Transmittal [4-1]—page 5 of 7)

14. Method of Payment of Fees

- ☒ Check in the amount of \$ 930
- ☐ Charge Account No. _____ in the amount of \$ _____. A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 CFR 1.22(b).

15. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- ☒ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 23-0796:
- ☒ 37 CFR 1.16(a), (f) or (g) (filing fees)
- ☐ 37 CFR 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 CFR 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

- ☐ 37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- ☐ 37 CFR 1.17 (application processing fees)

WARNING: While 37 CFR 1.17(a), (b), (c) and (d) deal with extensions of time under § 1.136(a) this authorization should be made only with the knowledge that: "Submission of the appropriate extension fee under 37 C.F.R. 1.136(a) is to no avail unless a request or petition for extension is filed." (Emphasis added). Notice of November 5, 1985 (1060 O.G. 27).

- ☐ 37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 CFR 1.311(b).

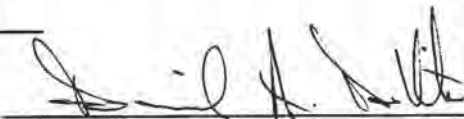
NOTE: 37 CFR 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . issue fee". From the wording of 37 CFR 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

16. Instructions As To Overpayment

- ☒ credit Account No. 23-0796
- ☐ refund

Reg. No. 32,125

Tel. No. (212) 310-8866



SIGNATURE OF ATTORNEY
Daniel A. DeVito

Type or print name of attorney
Weil, Gotshal & Manges

P.O. Address
767 Fifth Avenue

New York, New York 10153
(Application Transmittal [4-1]—page 6 of 7)

☐ **Incorporation by reference of added pages**

Check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

- ☐ Plus Added Pages For New Application Transmittal Where Benefit Of Prior U.S. Application(s) Claimed

Number of pages added _____

- ☐ Plus Added Pages For Papers Referred To In Item 4 Above

Number of pages added _____

- ☐ Plus "Assignment Cover Letter Accompanying New Application"

Number of pages added _____

☒ **Statement Where No Further Pages Added**

(If no further pages form a part of this Transmittal then end this Transmittal with this page and check the following item)

- ☒ This transmittal ends with this page.

(Application Transmittal [4-1]—page 7 of 7)

Exhibit 2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Bennington et al.

Serial No.: 08/119,367

Art Unit: 2602

Filed: September 9, 1993

Examiner: Lee, M.

For: Electronic Television Program
Schedule System and Method

PETITION TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48(b)

Hon. Commissioner of Patent and Trademarks
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.48(b), applicants hereby petition the Commissioner for a correction of inventorship in the above-identified application. A correction of inventorship is necessary because, as a result of the cancellation of claims made in a Response being filed contemporaneously herewith, the invention of one of the originally-named joint inventors, Rosetta Rogers, is no longer being claimed. Accordingly, the inventorship should be amended to delete Ms. Rogers as a named inventor, as required by 37 C.F.R. § 1.48(b).

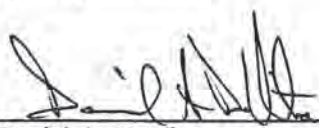
NYFS03....\18\77118\0005\249\PET5236R.170

This Petition is supported by a declaration of the underlying facts by applicants' undersigned counsel, Daniel A. DeVito.

The Commissioner is hereby authorized to charge our Deposit Account No. 23-0800 in the amount of \$130.00 for the fee specified in 37 C.F.R. § 1.17(h). The Commissioner is also authorized to charge the same Deposit Account for any deficiencies in any fees, or any additional fees, associated with this Petition. A duplicate copy of this paper is submitted for accounting purposes.

Respectfully submitted,

Dated: May 23, 1996

By: 

Daniel A. DeVito
Reg. No. 32,125
WEIL, GOTSHAL & MANGES LLP
767 Fifth Avenue
New York, New York 10153
(212) 310-8866
Attorneys for Applicants

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Bennington et al.

Serial No.: 08/119,367

Art Unit: 2602

Filed: September 9, 1993

Examiner: Lee, M.

For: Electronic Television Program
Schedule System and Method

PETITION TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48(b)

Hon. Commissioner of Patent and Trademarks
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.48(b), applicants hereby petition the Commissioner for a correction of inventorship in the above-identified application. A correction of inventorship is necessary because, as a result of the cancellation of claims made in a Response being filed contemporaneously herewith, the invention of one of the originally-named joint inventors, Rosetta Rogers, is no longer being claimed. Accordingly, the inventorship should be amended to delete Ms. Rogers as a named inventor, as required by 37 C.F.R. § 1.48(b).

3. During the course of prosecution of this application, and specifically as a result of the amendments contained in the Response to the March 6, 1996, Office Action that is being filed contemporaneously with the subject Petition to Correct Inventorship, all claims directed to the subject matter of which Rosetta Rogers is an inventor have been cancelled.

4. Accordingly, since Ms. Rogers' invention is no longer being claimed in the instant application, her name must be removed as a named inventor, as required by 37 C.F.R. § 1.48(b).

5. Since the amendments cancelling the claims directed to Ms. Rogers' invention were made in a Response being filed contemporaneously herewith, the amendment of inventorship and the Petition to Correct Inventorship are being diligently made under 37 C.F.R. § 1.48(b).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18, United States Code, and that such willful false statements may jeopardize the validity of the above-identified application or any patent issuing thereon.

Dated: May ³³~~22~~, 1996

By:

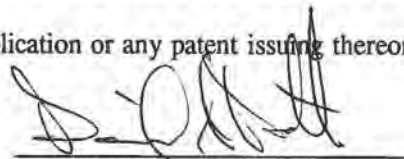

Daniel A. DeVito



Exhibit 14

Exhibit 15



PATENT

Docket No. 77118.0003

Box Patent Application

Commissioner of Patents and Trademarks
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s):

Gerald E. Bennington
Shawn Green
Dave Spell

George Backer
Bill Cooper
Rosetta Rogers

WARNING: Patent must be applied for in the name(s) of all of the actual inventor(s). 37
1.53(b).

For (title):

Electronic Television Program Guide Schedule System and Me

1. Type of Application

This new application is for a(n) (check one applicable item below):

- ☒ Original
☐ Design
☐ Plant

WARNING: Do not use this transmittal for a completion in the U.S. of an International Application under 35
U.S.C. 371(c)(4) unless the International Application is being filed as a divisional, continuation or
continuation-in-part application.

NOTE: If one of the following 3 items apply then complete and attach ADDED PAGES FOR NEW APPLICA-
TION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED.

- ☐ Divisional
☐ Continuation
☐ Continuation-in-part (CIP)

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to, as enclosed therein are being
deposited with the United States Postal Service on this date Sept. 9, 1993 in an envelope
as "Express Mail Post Office to Addressee" Mailing Label Number FB167371380 US addressed
to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Steven J. Rizzi
(Type or print name of person mailing paper)

Steven J. Rizzi
(Signature of person mailing paper)

NOTE: Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label
placed thereon prior to mailing. 37 CFR 1.10(b).

(Application Transmittal [4-1]—page 1 of 7)

2. Benefit of Prior U.S. Application(s) (35 USC 120)

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., then check the following item and complete and attach **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.**

- ☐ The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.**

3. Papers Enclosed Which Are Required For Filing Date Under 37 CFR 1.53(b) (Regular) or 37 CFR 1.153 (Design) Application

62 Pages of specification

3 Pages of claims

1 Pages of Abstract

39 Sheets of drawing

- ☐ formal
☒ informal

WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. Comments on proposed new 37 CFR 1.84. Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identifying indicia such as the serial number, group and unit, title of the invention, attorney's docket number, inventor's name, number of sheets, etc., not to exceed 2 3/4 inches (7.0 cm.) in width may be placed in a centered location between the side edges within three fourths inch (19.1 mm.) of the top edge. Either this marking technique on the front of the drawing or the placement, although not preferred, of this information and the title of the invention on the back of the drawings is acceptable." Proposed 37 CFR 1.84(1), Notice of March 9, 1988 (1990 O.G. 57-62).

4. Additional papers enclosed

- ☐ Preliminary Amendment
☐ Information Disclosure Statement
☐ Form PTO-1449
☐ Citations
☐ Declaration of Biological Deposit
☐ Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative
☐ Special Comments
☐ Other

(Application Transmittal [4-1]—page 2 of 7)

5. Declaration or oath

☐ Enclosed

executed by (check *all* applicable boxes)

☐ inventor(s).

☐ legal representative of inventor(s). 37 CFR 1.42 or 1.43

☐ joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.

☐ this is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. *See item 13 below for fee.*

☒ Not Enclosed.

WARNING: Where the filing is a completion in the U.S. of an International Application but where a declaration is not available or where the completion of the U.S. application contains subject matter in addition to the International Application the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

☒ Application is made by a person authorized under 37 CFR 1.41(c) on behalf of *all* the above named inventor(s). The declaration or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently.

NOTE: It is important that *all* the correct inventor(s) are named for filing under 37 CFR 1.41(c) and 1.53(b).

☐ Showing that the filing is authorized. (Not required unless called into question. 37 CFR 1.41(d).)

6. Inventorship Statement

WARNING: If the named inventors are each not the inventors of *all* the claims an explanation, including the ownership of the various claims at the time the *last* claimed invention was made, should be submitted.

The inventorship for all the claims in this application are:

☒ The same

or

☐ Are not the same. An explanation, including the ownership of the various claims at the time the *last* claimed invention was made,

☐ is submitted.

☐ will be submitted.

7. Language

NOTE: An application including a signed oath or declaration may be filed in a language other than English. A verified English translation of the non-English language application and the processing fee of \$30.00 required by 37 CFR 1.17(k) is required to be filed with the application or within such time as may be set by the Office. 37 CFR 1.52(d).

NOTE: A non-English oath or declaration in the form provided or approved by the PTO need not be translated. 37 CFR 1.69(b).

☒ English

☐ non-English

☐ the attached translation is a verified translation. 37 CFR 1.52(d).

(Application Transmittal [4-1]—page 3 of 7)

8. AssignmentNews America Publishing Inc. and
Tele-Communications of Colorado, Inc.☒ An assignment of the invention to _____☐ is attached.☒ will follow.

NOTE: "If an assignment is submitted with a new application, send two separate letters—one for the application and one for the assignment." Notice of May 4, 1990 (1114 D.G. 77-78).

9. Certified Copy

Certified copy(ies) of application(s)

(country)	(appln. no.)	(filed)
(country)	(appln. no.)	(filed)
(country)	(appln. no.)	(filed)

from which priority is claimed

☐ is(are) attached. A separate "ASSIGNMENT COVER LETTER ACCOMPANYING NEW PATENT APPLICATION" is also attached.☐ will follow.

NOTE: The foreign application forming the basis for the claim for priority must be referred to in the oath or declaration. 37 CFR 1.55(a) and 1.63.

NOTE: This item is for any foreign priority for which the application being filed directly relates. If any parent U.S. application or International Application from which this application claims benefit under 35 U.S.C. 120 is itself entitled to priority from a prior foreign application then complete item 18 on the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

10. Fee Calculation (37 CFR 1.16)**A. ☒ Regular application**

CLAIMS AS FILED			
Number filed	Number Extra	Rate	Basic Fee
			\$690 710
Total			
Claims 37 CFR 1.16(c) 8 – 20 =	X	\$20	–
Independent			
Claims (37 CFR 1.16(b)) 2 – 3 =	X	\$72	–
Multiple dependent claim(s), if any (37 CFR 1.16(d))		\$220	220

☐ Amendment cancelling extra claims enclosed.☐ Amendment deleting multiple-dependencies enclosed.☐ Fee for extra claims is not being paid at this time.

NOTE: If the fees for extra claims are not paid on filing they must be paid or the claims cancelled by amendment, prior to the expiration of the time period set for response by the Patent and Trademark Office in any notice of fee deficiency. 37 CFR 1.16(d).

Filing Fee Calculation

\$ 930

(Application Transmittal [4-1]—page 4 of 7)

- B. ☐ **Design application**
(\$250.00—37 CFR 1.16(f))

Filing Fee Calculation \$ _____

- C. ☐ **Plant application**
(\$420.00—37 CFR 1.16(g))

Filing fee calculation \$ _____

11. Small Entity Statement(s)

- ☐ Verified Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is(are) attached.

Filing Fee Calculation (50% of A, B or C above) \$ _____

NOTE: Any excess of the full fee paid will be refunded if a verified statement and a refund request are filed within 2 months of the date of timely payment of a full fee. 37 CFR 1.28(a).

12. Request for International-Type Search (37 CFR 1.104(d)) (complete, if applicable)

- ☐ Please prepare an international-type search report for this application at the time when national examination on the merits takes place.

13. Fee Payment Being Made At This Time

- ☐ Not Enclosed

- ☐ No filing fee is to be paid at this time. (This and the surcharge required by 37 CFR 1.16(e) can be paid subsequently.)

- ☒ Enclosed

☒ basic filing fee \$ 930

☐ recording assignment
(\$8.00; 37 CFR 1.21(h)) \$ _____

☐ petition fee for filing by other
than all the inventors or person
on behalf of the inventor where
inventor refused to sign or cannot
be reached. (\$120.00; 37 CFR
1.47 and 1.17(h)) \$ _____

☐ for processing an application with
a specification in a non-English
language. (\$30.00; 37 CFR 1.52(d) and
1.17(k)) \$ _____

☐ processing and retention fee
(\$120.00; 37 CFR 1.53(d) and 1.21(l)) \$ _____

☐ fee for international-type search report (\$30.00;
37 CFR 1.21(e)). \$ _____

NOTE: 37 CFR 1.21(f) establishes a fee for processing and retaining any application which is abandoned for failing to complete the application pursuant to 37 CFR 1.53(d) and this, as well as the changes to 37 CFR 1.53 and 1.78, indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid or the processing and retention fee of § 1.21(f) must be paid within 1 year from notification under § 53(d).

Total fees enclosed \$ 930

(Application Transmittal [4-1]—page 5 of 7)

14. Method of Payment of Fees

- ☒ Check in the amount of \$ 930
- ☐ Charge Account No. _____ in the amount of \$ _____. A duplicate of this transmittal is attached.

NOTE: Fees should be itemized in such a manner that it is clear for which purpose the fees are paid. 37 CFR 1.22(b).

15. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- ☒ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 23-0796
- ☒ 37 CFR 1.16(a), (f) or (g) (filing fees)
- ☐ 37 CFR 1.16(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 CFR 1.16(d)), it might be best not to authorize the PTO to charge additional claim fees, except possibly when dealing with amendments after final action.

- ☐ 37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- ☐ 37 CFR 1.17 (application processing fees)

WARNING: While 37 CFR 1.17(a), (b), (c) and (d) deal with extensions of time under § 1.136(a) this authorization should be made only with the knowledge that: "Submission of the appropriate extension fee under 37 C.F.R. 1.136(a) is to no avail unless a request or petition for extension is filed." (Emphasis added). Notice of November 5, 1985 (1060 O.G. 27).

- ☐ 37 CFR 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 CFR 1.311(b).

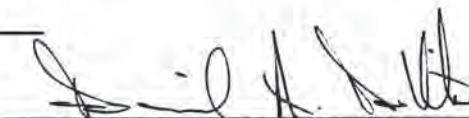
NOTE: 37 CFR 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . issue fee". From the wording of 37 CFR 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

16. Instructions As To Overpayment

- ☒ credit Account No. 23-0796
- ☐ refund

Reg. No. 32,125

Tel. No. (212) 310-8866



SIGNATURE OF ATTORNEY
Daniel A. DeVito

Type or print name of attorney
Weil, Gotshal & Manges

P.O. Address
767 Fifth Avenue

New York, New York 10153
(Application Transmittal [4-1]—page 6 of 7)

☐ **Incorporation by reference of added pages**

Check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

- ☐ Plus Added Pages For New Application Transmittal Where Benefit Of Prior U.S. Application(s) Claimed

Number of pages added _____

- ☐ Plus Added Pages For Papers Referred To In Item 4 Above

Number of pages added _____

- ☐ Plus "Assignment Cover Letter Accompanying New Application"

Number of pages added _____

☒ **Statement Where No Further Pages Added**

(If no further pages form a part of this Transmittal then end this Transmittal with this page and check the following item)

- ☒ This transmittal ends with this page.

(Application Transmittal [4-1]—page 7 of 7)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of: Bennington et. al.

Serial No. 08/119,367

Filed on September 9, 1993

For: Electronic Television Program Schedule System And Method

Hon. Commissioner of Patents & Trademarks
Washington, D.C. 20231

Dear Sir:

PETITION TO MAKE SPECIAL
PURSUANT TO TITLE 37 C.F.R. SECTION 1.102

Applicants' Assignees, News America Publishing, Inc. and Tele-Communications of Colorado, Inc. ("Petitioners") hereby petition the Commissioner, through their attorneys of record, that the above-identified application be made special and that the prosecution thereof hereafter be expedited to the greatest extent possible.

The subject matter covered by the application in question is a method and apparatus for electronically displaying television program schedule information. This Petition is necessitated and based upon the commercialization by Prevue Networks, Inc., ("Prevue") of an electronic television programming guide embodying aspects of the invention claimed in the subject application. Pursuant to 37 C.F.R. § 1.102 (d), the formal basis of

NYFS03.....\18\77118\0003\2223\DC\52694.K00

this petition is infringement by Prevue, the pertinent details of which are set forth in the accompanying Declaration of Daniel A. DeVito in Support of Petition to Make Special.

Prevue's products that are within the scope of certain pending claims of petitioners' application were demonstrated after the subject application was filed in the United States Patent and Trademark Office. The invention which is the subject of the above-identified application is of commercial importance to the petitioners, and they will suffer irreparable injury if this application is delayed by taking up the same in the regular order of examination, as established by the accompanying Declaration of Daniel A. DeVito in support of this Petition to Make Special.

A check in the sum of \$130.00 to cover the cost of this petition to make special is enclosed. The Commissioner is authorized to charge any additional fees, and credit any refunds, to Deposit Account 23-0796. A duplicate of this paper is provided to facilitate any necessary deposit account transactions.

Petitioners therefore respectfully petition that an order be issued directing the above-identified application be made "Special."

Dated: June 30, 1994

Respectfully submitted

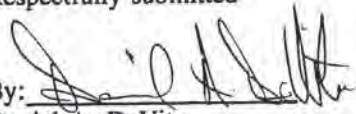
By: 
Daniel A. DeVito
Reg. No. 32,125
Weil, Gotshal & Manges
767 Fifth Avenue
New York, New York 10153
(212) 310-8866
Attorneys for Petitioner

Exhibit B

#20

A

C

D

E



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER OF
PATENTS AND TRADEMARKS
Washington, D.C. 20231

#9

COPY MAILED

SEP 2 1994

**SPECIAL PROGRAMS OFFICE
AND PATENTS**

Daniel A. Devito
Weil, Gotshal & Manges
767 Fifth Avenue
New York, NY 10153

In re Application of :
Gerard E. Bennington, et al: :
Serial No. 08/119,367 : PETITION TO MAKE SPECIAL
Filed: September 9, 1993 : (Infringement)
Attorney's Docket No. :
77118.0003 :

A petition to make this case special on the basis of Infringement has been filed, along with the requisite fee, in the above-noted application. The petition does not meet the requirements for special status set forth in MPEP 708.02 II-Infringement, inasmuch as the oath or declaration in support of the petition does not state

that he has made or caused to make a careful and thorough search of the prior art or has a good knowledge of the pertinent prior art.

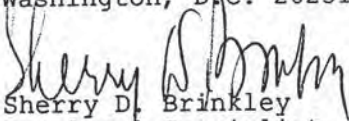
It is noted that applicant states that an Information Disclosure Statement was filed. However, pursuant to 37 CFR 1.97 the filing of an information disclosure statement shall not be construed as a representation that a search has been made, or that information cited in the statement is material to patentability.

The petition is Dismissed.

Should applicant desire reconsideration he should supplement this petition by a declaration or statement under oath giving the information as outlined above. No further petition fee is required.

Any request for reconsideration must be filed within TWO MONTHS of the date of this decision and should be directed to the

attention of the Office of the Deputy Assistant Commissioner for
Patent Policy and Projects, Crystal Park Building 1, Suite 520,
Washington, D.C. 20231.



Sherry D. Brinkley
Paralegal Specialist
Office of Special Programs
Office of the Deputy Assistant Commissioner
for Patent Policy and Policy and Projects
(703) 305-9282

AY



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Bennington et al.

Serial No.: 08/119,367

Art Unit: 2602

Filed: September 9, 1993

Examiner: Lee, M.

For: Electronic Television Program
Schedule System and Method

RECEIVED
OCT 24 1993
GROUP 2

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patent and Trademarks
Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. § 1.97(c)(2), applicants respectfully request that the following references listed on the attached PTO Form 1449 be made of record in the above-identified application. A check in the amount of \$200 is included for payment of the fee set forth in 37 C.F.R. § 1.17(P). The Commissioner is authorized to charge any deficiencies or additional fees associated with the filing of this paper to our deposit account number 23-0796. A duplicate of this page is included for accounting purposes.

WVPCNT \18\77118\0003\7381\10572596.P70

The additional fee has been calculated as shown below:

CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEES
TOTAL CLAIMS	-	* =	X \$ 18 =	\$
INDEPENDENT CLAIMS	-	** =	X \$ 84 =	\$
FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM			+ \$280 =	\$
* If less than 20, insert 20.				TOTAL \$ <u> </u>

** If less than 3, insert 3.

[] A check in the amount of \$_____ in payment of the filing fee is transmitted herewith.

[X] The Director is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. § 1.16, in connection with the paper(s) transmitted herewith, or credit any overpayment of same, to deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

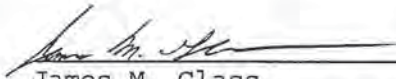
[] Please charge \$_____ to Deposit Account No. 06-1075 in payment of the filing fee. A duplicate copy of this transmittal letter is transmitted herewith.

EXTENSION FEE

[] The following extension is applicable to the Response filed herewith; [] \$110.00 extension fee for response within first month pursuant to 37 C.F.R. § 1.136(a); [] \$400.00 extension fee for response within second month pursuant to 37 C.F.R. § 1.136(a); [] \$920.00 extension fee for response within third month pursuant to 37 C.F.R. § 1.136(a); [] \$1,440.00 extension fee for response within fourth month pursuant to 37 C.F.R.

§ 1.136(a); \$1,960.00 within fifth month pursuant to
37 C.F.R. § 1.136(a).

- ☐ A check in the amount of ☐ \$110.00; ☐ \$400.00;
☐ \$920.00; ☐ \$1,440.00; ☐ \$1,960.00 in payment
of the extension fee is transmitted herewith.
- ☒ The Director is hereby authorized to charge payment
of any additional fees required under 37 C.F.R. §
1.17 in connection with the paper(s) transmitted
herewith, or to credit any overpayment of same, to
Deposit Account No. 06-1075. A duplicate copy of
this transmittal letter is transmitted herewith.
- ☐ Please charge the ☐ \$110.00; ☐ \$400.00;
☐ \$920.00; ☐ \$1,440.00; ☐ \$1,960.00; extension
fee to Deposit Account No. 06-1075. A duplicate
copy of this transmittal letter is transmitted
herewith.


James M. Glass
Registration No. 6,729
Attorney for Applicants

FISH & NEAVE
1251 Avenue of the Americas
New York, New York 10020-1105
Tel.: (212) 596-9000

REV. 9/01
For Other Than A Small Entity

Docket No. UV-133

Applicant(s) : Gerald E. Bennington, et al.
Application No. : 08/119,367 Confirmation No.: 3531
Filed : September 9, 1993
For : ELECTRONIC TELEVISION PROGRAM GUIDE
SCHEDULE SYSTEM AND METHOD
Group Art Unit : 2614
Examiner : Michael Lee

Commissioner for Patents
Washington, D.C. 20231

New York, New York
November 9, 2001

TRANSMITTAL LETTER

Sir:

Transmitted herewith: ☐ a Preliminary Amendment;
☐ a Reply to Office Action; ☐ a Supplemental Amendment; ☐
☐ a substitute Specification; ☐ a Declaration; ☐ a
Supplemental Declaration; ☐ a Power of Attorney; ☐ an
Associate Power of Attorney; ☒ formal drawings; to be filed
in the above-identified patent application.

FEE FOR ADDITIONAL CLAIMS

☒ A fee for additional claims is not required.

☐ A fee for additional claims is required.

The additional fee has been calculated as shown below:

CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEES
TOTAL CLAIMS	-	* =	X \$ 18 =	\$
INDEPENDENT CLAIMS	-	** =	X \$ 84 =	\$
FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM			+ \$280 =	\$
* If less than 20, insert 20.			TOTAL	\$

** If less than 3, insert 3.

[] A check in the amount of \$_____ in payment of the filing fee is transmitted herewith.

[X] The Director is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. § 1.16, in connection with the paper(s) transmitted herewith, or credit any overpayment of same, to deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

[] Please charge \$_____ to Deposit Account No. 06-1075 in payment of the filing fee. A duplicate copy of this transmittal letter is transmitted herewith.

EXTENSION FEE

[] The following extension is applicable to the Response filed herewith; [] \$110.00 extension fee for response within first month pursuant to 37 C.F.R. § 1.136(a); [] \$400.00 extension fee for response within second month pursuant to 37 C.F.R. § 1.136(a); [] \$920.00 extension fee for response within third month pursuant to 37 C.F.R. § 1.136(a); [] \$1,440.00 extension fee for response within fourth month pursuant to 37 C.F.R.

§ 1.136(a); \$1,960.00 within fifth month pursuant to
37 C.F.R. § 1.136(a).

- ☐ A check in the amount of ☐ \$110.00; ☐ \$400.00;
☐ \$920.00; ☐ \$1,440.00; ☐ \$1,960.00 in payment
of the extension fee is transmitted herewith.
- ☒ The Director is hereby authorized to charge payment
of any additional fees required under 37 C.F.R. §
1.17 in connection with the paper(s) transmitted
herewith, or to credit any overpayment of same, to
Deposit Account No. 06-1075. A duplicate copy of
this transmittal letter is transmitted herewith.
- ☐ Please charge the ☐ \$110.00; ☐ \$400.00;
☐ \$920.00; ☐ \$1,440.00; ☐ \$1,960.00; extension
fee to Deposit Account No. 06-1075. A duplicate
copy of this transmittal letter is transmitted
herewith.


James M. Glass
Registration No. 6,729
Attorney for Applicants

FISH & NEAVE
1251 Avenue of the Americas
New York, New York 10020-1105
Tel.: (212) 596-9000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Bennington et al.

Serial No.: 08/119,367

Art Unit: 2714

Filed: September 9, 1993

Examiner: Lee, M.

For: Electronic Television Program Schedule System and Method

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

**DECLARATION OF GERALD E. BENNINGTON UNDER 37 C.F.R. §
1.608**

I, Gerald E. Bennington, declare as follows:

1. I am a named co-inventor in the above-captioned application for patent.

During the full year 1992, I was President of X • PRESS Information Services, Ltd. (hereinafter "X • PRESS"), which is an affiliate of Liberty Media. I am now employed by CableLabs Inc.
2. In Spring, 1992, a joint venture was established between TV Guide and Liberty Media relating to the development of an interactive electronic on-screen program guide (hereinafter "the EPG"). X • PRESS worked on the development of the computer software for the EPG.
3. An operative prototype of the EPG software was completed by X • PRESS and delivered to TV Guide by July 14, 1992. Among other features, the prototype included a browse feature that allowed a user to interactively

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9/22/98

navigate through television program schedule information overlayed on the lower portion of a display (the "Browse Feature"). The prototype software was designed to be run on a personal computer that included a memory storing the database files containing the program schedule listings. The prototype software for the Browse Feature allowed the user to turn the Browse Feature display on and off. Such software further included facilities that permitted the user to select various television program listing arrangements, including a full screen program guide and the Browse Feature, and, when the Browse Feature was selected, to use it to display the portions of the television program listings that were selected by the user from the keyboard. Attached as Exhibit 1 is a letter dated July 14, 1992 from Bill Cooper at X * PRESS to Brian Margolis at TV Guide, which states that a diskette had been sent to TV Guide containing the software for the prototype. The letter also contains instructions on installing and running one such prototype application program. Attached as Exhibit 2 is a copy of several screen displays of the Browse Feature generated by such application program, which show a listing of program schedule information on the lower portion of the screen as well as a TV Guide mini-menu screen which allows one to select various features of the EPG.

4. Exhibit 3 is a copy of a letter dated November 16, 1992, which I sent to our then patent attorney, Martin C. Fliesler, enclosing a copy of the current version of the operative EPG prototype software and a listing of hardware and software requirements and installation and operating instructions for running the EPG. Among the optional hardware and software listed was that needed to use

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9/30/98

the EPG to control a television. By this time we had connected the computer containing the EPG to a TV monitor, and had used the computer to implement the Browse Feature on such TV monitor, partially overlaying a TV program. The prototype software was designed to be run on a personal computer that included a memory storing the database files containing the program schedule listings. Information concerning sort by theme and sort by channel commands was also stored in the memory. The EPG software enabled the user to turn the Browse Feature display on and off from the personal computer keyboard, and incorporated facilities that permitted the user to select various television program listing arrangements, including a full screen program guide and the Browse Feature, and when the Browse Feature was selected, to use it to display on the lower portion of a TV screen, the portions of the television program listings selected by the user by means of the arrow keys. Pressing the up and down arrow keys allows the user to scroll forwards and backwards by channel through the program listings. The left and right arrow keys scroll the display to earlier or subsequent time periods, respectively, for a particular channel. Attached as Exhibit 4 is a copy of several display screens generated by such prototype software, illustrating the Browse Feature. Each such display screen shows a listing of program schedule information for one program on the lower portion of the screen.

5. During the period of August to December 1992 there was ongoing work on the part of TV Guide, Animatrix, Inc. and X * PRESS to finish development

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9/30/98

of a version of the EPG suitable for demonstration at the Western Cable Show in early December 1992 in Anaheim, CA.

6. The EPG incorporating the Browse Feature was shown at the Western Cable Show in Anaheim, CA in December 2-4, 1992. Attached as Exhibit 5 is a copy of a brochure, copies of which were handed to attendees at the TV Guide booth. The Browse Feature as demonstrated at the Show is accurately described and illustrated on page 5 of the brochure. The prototype EPG software incorporated the same facilities described in Paragraph 4 above and was installed on a personal computer attached to a TV monitor, with the program schedule database being stored in the memory of the personal computer. Information concerning sort by theme and sort by channel commands was also stored in the memory. The EPG software permitted the user to scroll through the program schedule information in the database to select various television program listings for display in the Browse Feature on the lower portion of the TV screen. I attended the Show and successfully operated the EPG and the Browse Feature. Pressing the TV Guide button on a remote control activated the Browse Feature. The up/down arrows on the remote allowed navigation through channels while the left/right arrows permitted navigation through time slots for a particular channel. Provision was also made for turning the Browse Feature off from the remote.
7. Work by X • Press and TV Guide on the EPG continued during 1993 to develop a commercial version thereof.

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9/20/98

8. All of the foregoing acts took place within the United States of America. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

September 30, 1998
Dated:


GERALD E. BENNINGTON

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Bennington et al.

Serial No. 08/119,367

Art Unit: 2714

Filed: September 9, 1993

Examiner: Lee, M.

For: Electronic Television Program Schedule System and Method

Hon. Commissioner of Patent and Trademarks
Washington, D.C. 20231

DECLARATION OF BRIAN MARGOLIS UNDER 37 C.F.R. § 1.608

I, Brian Margolis, declare as follows:

1. I make this declaration in connection with the above-captioned application for patent. I am a graduate of Princeton University, having received a B.A. degree in Political Science in June 1983. During all of 1992, I was the Electronic Program Guide Director as well as Business Director of News America Publishing, Inc., a subsidiary of News Corporation. All documents that I will refer to in this declaration were maintained in my files at News Corporation in the ordinary course of business unless otherwise indicated. I am currently employed by Lightflash Pictures, Inc.

2. One of the matters I worked on during the period I was employed with News Corporation, was a project undertaken to develop an interactive electronic on-screen program guide (hereinafter the "EPG") to display information concerning television programs and to permit the TV viewer to perform various actions and selections in connection with current or future TV program schedules (hereinafter the "EPG Project").

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3. Among the features that came to be included in the EPG was one that permitted the viewer to interactively search for program schedule information and to sequentially display such schedule information on a portion of the television screen without interrupting the display of a currently appearing television program. The feature was initially referred to as the "instant rolling log" and later came to be known as the browse feature (hereinafter referred to as the "Browse Feature").

4. The first written record of which I am aware relating to the Browse Feature comes from Mr. Younan's file and is attached hereto as Exhibit 1. Exhibit 1 includes a copy of a memorandum dated 1/20/92 addressed to me and Buddy Ray of Intellimedia Corporation from Joe Robinowitz of TV Guide that encloses a cover memorandum dated 1/20/92 from one of the named inventors, Michael Morris, to Mr. Robinowitz that, in turn, refers to and encloses a revised report dated 1/19/92 entitled "Electronic TV Guide Project: Prototype (01-19-92)" (hereinafter the "1/19 Report"). The 1/19 Report describes the EPG as it stood at that time. The Browse Feature (referred to as "the instant rolling log") is discussed on page 3 of the 1/19 Report. The described embodiment of the Browse Feature at any one time displays information concerning three programs at the lower portion of the screen while the TV picture occupies the remainder of the screen. Although not explicitly stated in the 1/19 Report, the described embodiment of the Browse Feature contains an organized listing of many more than three programs. When scrolling through the log, the down and up arrow keys on a remote control allow one to scroll forwards or backwards through programs in the log with three being displayed at one time. The viewer can activate the Browse Feature by pressing a special TV Guide Menu button on the remote control. Depressing an "A"

button while the Browse Feature is activated turns off the Browse Feature and returns the display to full-screen live TV. The Browse Feature described in the 1/19 Report allows the user to interactively scan through program listings while continuing to view the current program.

5. It was contemplated that the implementation of the Browse Feature would also involve the use of a memory for storing the program log, and a microprocessor coupled to the memory and television that is responsive to a remote control device for turning the Browse Feature on and off and for permitting the user to display desired portions of the rolling log on the screen.

6. Buddy Ray, and his company, Intellimedia Corporation consulted with TV Guide during 1992 in the development of software and hardware to implement a prototype of the EPG. Exhibit 2 is a copy of a fax dated 5/14/92 from Buddy Ray at Intellimedia Corporation to George Backer with a copy to me. Mr. Ray therein provided his preliminary recommendations for a hardware platform and software for prototyping the EPG.

7. Exhibit 3 is a memorandum dated May 15, 1992 sent to me by Roger Youman in which he explained the proposed basic and premium EPG services to be developed and marketed by TV Guide. Attached to the memorandum is a revised version of the 1/19 Report dated May 15, 1992, (the "5/15 Report") which Mr. Youman states was "done by Michael Morris". Mr. Youman's memo describes the basic service that includes "The ability to find out what is being telecast on all other channels now." This is a reference to the Browse Feature. Page 3 of the 5/15 Report contains a similar description of the Browse Feature to that appearing in the 1/19 Report.

8. A facsimile dated 5/20/92, attached as Exhibit 4, from Buddy Ray of Intellimedia Corporation to George Backer with a copy to me discusses potential remote controls for the EPG.

9. By the Spring of 1992, a joint venture had been set up between TV Guide and Liberty Media relating to the EPG development (the "Joint Venture"). At that time X * PRESS Information Services, Ltd., a subsidiary of Liberty Media, (hereinafter "X * PRESS") began to develop the software for the EPG on behalf of the Joint Venture. I believe that X * PRESS had previously done some work on a simple electronic program guide, but had not focused on the user interface.

10. Exhibit 5 is a copy from Mr. Youman's files of a development schedule for the EPG dated 6/1/92 covering the period of June - October 1992 that I prepared and sent to persons working on the EPG Project. This schedule sets out the deadlines for completing the various listed tasks, along with the person responsible therefor. Exhibit 6 is a revised schedule dated 7/29/92 from Mr. Youman's files that I sent to persons working on the EPG Project covering the period of July to November 1992.

11. A decision was made in about May, 1992 to hire an outside company to assist in development of display formats for the EPG, including the Browse Feature. Exhibit 7 is a letter to me from Ms. Marney Morris of Animatrix, Inc. dated June 4, 1992 expressing an interest in assisting TV Guide with the EPG Project and enclosing information about Animatrix and its method of interactive design. Animatrix was later retained by the Joint Venture to work on the aesthetic design of the EPG.

12. An operative prototype of the EPG software including the Browse Feature was completed by X * PRESS and delivered to TV Guide by July 14, 1992. The Browse Feature, as implemented in the prototype, allowed a user to interactively navigate through program schedule information on a television screen. The software was designed to be run on a personal computer that included a memory storing the database files containing the program schedule listings and that allowed the user to turn the Browse Feature display on and off and to select desired portions of the program schedule for viewing, both from the keyboard. Attached as Exhibit 8 from Mr. Youman's files is a letter dated July 14, 1992 from Bill Cooper to me, which states that a diskette had been sent to me containing the software for the prototype. The letter also contains instructions on installing and running such prototype application program. Attached as Exhibit 9 is a copy of a screen display generated by such application program, which shows a listing of program schedule information on the lower portion of the screen as well as a TV Guide mini-menu screen which allows one to select various features of the EPG. The Browse Feature could be turned on and off from the personal computer keyboard. . Scrolling through program listings was accomplished using the keyboard arrow keys.

13. The services of Animatrix, Inc. included the creation of art, animation and code in order to implement screens for the EPG that were fully integrated with the navigational features of the EPG such as the Browse Feature. Ms. Marney Morris acted as the Senior Designer for the aesthetic enhancement to the EPG.

14. During the Summer of 1992, a number of meetings were held with cable company representatives to better understand what features and characteristics were desired for the EPG under development. Exhibit 10 is a memo dated August 4, 1992 from

me to Joe Cece enclosing a draft letter to Mike Ritter of Continental Cable on this subject. Exhibits 11 and 12 reflect similar letters to Time Warner Cable and TCI.

15. During the summer of 1992, Animatrix had completed a first version of the screen design with command prompts for the interactive EPG (hereinafter the "Animatrix Prototype"). A meeting was held on 9/2/92 with Animatrix, Inc. to discuss the general screen design and display formats of the Animatrix Prototype. Exhibit 13 is Buddy Ray's notes of September 1 and 2, 1992 regarding the Animatrix Prototype. Mr. Ray suggested alternate screen designs for various features of the EPG including the layout of command prompts, keys, menu choice screens and listings, and the design of the remote. Attached to such notes is a report by Animatrix, Inc. which details the Animatrix Prototype including the Browse Feature (referred to as the "Guide Bar"). Exhibit 14 is a memorandum dated 9/15/92 which I sent to Carolyn Franz, the Project Manager at Animatrix, Inc. listing Mr. Youman's and my suggestions to improve the Animatrix Prototype.

16. During the period of August to December 1992 there was ongoing work on the part of TV Guide, Animatrix, Inc. and X * PRESS to finish development of a version of the EPG suitable for demonstration at the Western Cable Show in early December, 1992 in Anaheim, CA.

17. The EPG incorporating the Browse Feature was shown at the Western Cable Show in Anaheim, CA in December 2-4, 1992. Attached as Exhibit 15 is a copy of a brochure from Mr. Youman's files, copies of which were handed to attendees at the TV Guide booth. The Browse Feature as demonstrated at the Show is accurately described and illustrated on page 5 of the brochure. The EPG software was installed on

Fax émis par: 33 81 48 78 81 88 HOTEL LA TREMOILLE
SEP-21-1998 17:57

le 22/09/98 09:56 A4 NORM Pg: 8/8
le 21/09/98 23:39 Pg: 8/8 P.08/08

a PC and the system was attached to a TV that was tuned to a cable channel available in Anaheim. The programs schedule database was installed on the PC memory. I attended the show and successfully operated the EPG, including the Browse Feature. Pressing the TV Guide button on the remote activated the Browse Feature. The arrow keys allowed navigation through channels, and through time slots for a particular channel.

18. All of the foregoing acts took place within the United States of America. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statement may jeopardize the validity of the application or any patent issued thereon.

Dated: 9/22/98


BRIAN MARGOLIS



990.00 103 EP 260

77118.0003

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Bennington, et al.

Serial No.: 0 8/ 119,367

Group No.: 2602

Filed: September 9, 1993

Examiner: Lee, M.

For: Electronic Television Program
Schedule System and Method

Commissioner of Patents and Trademarks
Washington, D.C. 20231

AMENDMENT TRANSMITTAL

RECEIVED
94 NOV 15 PM 1:21
GROUP 260

1. Transmitted herewith is an amendment for this application.

STATUS

2. Applicant is
☐ a small entity — verified statement
☐ attached.
☐ already filed.
☒ other than a small entity.

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Theresa A. Durst

(Type or print name of person mailing paper)

Date: 10/25/94

080 MC 11/09/94 08119302

(Signature of person mailing paper)

(Amendment Transmittal [9-19]—page 1 of 4)

EXTENSION OF TERM

NOTE: "Extension of Time in Patent Cases (Supplement Amendments) — If a timely and complete response has been filed after a Non-Final Office Action, an extension of time is not required to permit filing and/or entry of an additional amendment after expiration of the shortened statutory period.

If a timely response has been filed after a Final Office Action, an extension of time is required to permit filing and/or entry of a Notice of Appeal or filing and/or entry of an additional amendment after expiration of the shortened statutory period unless the timely-filed response placed the application in condition for allowances. Of course, if a Notice of Appeal has been filed within the shortened statutory period, the period has ceased to run." Notice of December 10, 1985 (1081 O.G. 34-35).

NOTE: See 37 CFR 1.845 for extensions of time in interference proceedings and 37 CFR 1.550(c) for extensions of time in reexamination proceedings.

3. The proceedings herein are for a patent application and the provisions of 37 CFR 1.136 apply

(complete (a) or (b) as applicable)

(a) ☐ Applicant petitions for an extension of time under 37 CFR 1.17(a)-(d) for the total number of months checked below:

Extension (months)	Fee for other than small entity	Fee for small entity
☐ one month	\$82.00	\$31.00
☐ two months	\$180.00	\$90.00
☐ three months	\$430.00	\$215.00
☐ four months	\$680.00	\$340.00
		Fee \$ _____

If an additional extension of time is required please consider this a petition therefor.

(check and complete the next item, if applicable)

☐ An extension for _____ months has already been secured and the fee paid therefor of \$ _____ is deducted from the total fee due for the total months of extension now requested.

Extension fee due with this request \$ _____

OR

(b) ☒ Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

(Amendment Transmittal [9-19]—page 2 of 4)

FEE FOR CLAIMS

4. The fee for claims (37 CFR 1.18(b)-(d)) has been calculated as shown below:

(Col. 1)		(Col. 2)		(Col. 3)		SMALL ENTITY		OTHER THAN A SMALL ENTITY	
CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO PREVIOUSLY PAID FOR		PRESENT EXTRA		RATE		ADDIT. FEE	
TOTAL	*	88	MINUS **	43	=	45	x18= \$	22	\$ 990.00
INDEP.	*	14	MINUS ***	17	=	0	x18= \$	76	\$ 0
☐ FIRST PRESENTATION OF MULTIPLE DEP. CLAIM						+60= \$		+120= \$	
						TOTAL \$		OR TOTAL \$	
						ADDIT. FEE \$			

* If the entry in Col. 1 is less than entry in Col. 2, write "0" in Col. 3.

** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest No. Previously Paid For" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

(complete (c) or (d) as applicable)

- (c) ☐ No additional fee for claims is required.

OR

- (d) ☒ Total additional fee for claims required \$ 990.00

FEE PAYMENT

5. ☒ Attached is a check in the sum of \$ 990.00
- ☐ Charge Account No. _____ the sum of \$ _____

A duplicate of this transmittal is attached.

FEE DEFICIENCY

NOTE: If there is a fee deficiency and there is no authorization to charge an account, additional fees are necessary to cover the additional time consumed in making up the original deficiency. If the maximum, six-month period has expired before the deficiency is noted and corrected, the application is held abandoned. In those instances where authorization to charge is included, processing delays are encountered in returning the papers to the PTO Finance Branch in order to apply these charges prior to action on the cases. Authorization to charge the deposit account for any fee deficiency should be checked. See the Notice of April 7, 1988, 1055 O.G. 31-33.

6. ☒ If any additional extension and/or fee is required, charge Account No. 23-0796

(Amendment Transmittal [9-19]—page 3 of 4)

AND/OR

☐ If any additional fee for claims is required, charge Account No. 23-0796

Reg. No.: 32,125

Tel. No.: (212) 310-8866



SIGNATURE OF ATTORNEY

Daniel A. DeVito

Type or print name of attorney

Weil, Gotshal & Manges

P.O. Address

767 Fifth Avenue

New York, New York 10153

(Amendment Transmittal [9-19]—page 4 of 4)



REV. 9/01
For Other Than A Small Entity

Docket No. UV-133

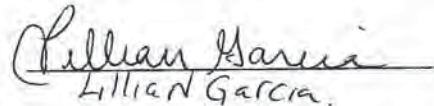
Applicant(s) : Gerald E. Bennington, et al
Application No. : 08/119,367 Confirmation No.: 9751
Filed : September 9, 1993
For : ELECTRONIC TELEVISION PROGRAM GUIDE
SCHEDULE SYSTEM AND METHOD
Group Art Unit : 2614
Examiner : Michael Lee
Batch No. : Z99

EXPRESS MAIL CERTIFICATION

"Express Mail" mailing label number EK708052949US

Date of Deposit November 29, 2001

I hereby certify that this transmittal letter and the other papers and fees identified in this transmittal letter as being transmitted herewith are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and are addressed to the Hon. Commissioner for Patents, Washington, D.C. 20231.


Lillian Garcia

Commissioner for Patents
Washington, D.C. 20231

New York, New York
November 29, 2001

TRANSMITTAL LETTER

Sir:

Transmitted herewith: [X] an Amendment Pursuant to 37 C.F.R. § 1.312; [] a Reply to Office Action; [] a Supplemental Amendment; [] a substitute Specification; [] a Declaration; [] a Supplemental Declaration; [] a Power of Attorney; [] an Associate Power of Attorney; [] formal

drawings; to be filed in the above-identified patent application.

FEE FOR ADDITIONAL CLAIMS

☒ A fee for additional claims is not required.

☐ A fee for additional claims is required.

The additional fee has been calculated as shown below:

CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEES
TOTAL CLAIMS	-	* =	X \$ 18 =	\$
INDEPENDENT CLAIMS	-	** =	X \$ 84 =	\$
FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM			+ \$280 =	\$
* If less than 20, insert 20.			TOTAL	\$

** If less than 3, insert 3.

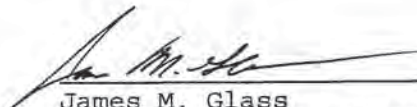
☐ A check in the amount of \$_____ in payment of the filing fee is transmitted herewith.

☒ The Director is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. § 1.16, in connection with the paper(s) transmitted herewith, or credit any overpayment of same, to deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

☐ Please charge \$_____ to Deposit Account No. 06-1075 in payment of the filing fee. A duplicate copy of this transmittal letter is transmitted herewith.

EXTENSION FEE

- ☐ The following extension is applicable to the Response filed herewith; ☐ \$110.00 extension fee for response within first month pursuant to 37 C.F.R. § 1.136(a); ☐ \$400.00 extension fee for response within second month pursuant to 37 C.F.R. § 1.136(a); ☐ \$920.00 extension fee for response within third month pursuant to 37 C.F.R. § 1.136(a); ☐ \$1,440.00 extension fee for response within fourth month pursuant to 37 C.F.R. § 1.136(a); \$1,960.00 within fifth month pursuant to 37 C.F.R. § 1.136(a).
- ☐ A check in the amount of ☐ \$110.00; ☐ \$400.00; ☐ \$920.00; ☐ \$1,440.00; ☐ \$1,960.00 in payment of the extension fee is transmitted herewith.
- ☒ The Director is hereby authorized to charge payment of any additional fees required under 37 C.F.R. § 1.17 in connection with the paper(s) transmitted herewith, or to credit any overpayment of same, to Deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.
- ☐ Please charge the ☐ \$110.00; ☐ \$400.00; ☐ \$920.00; ☐ \$1,440.00; ☐ \$1,960.00; extension fee to Deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.


James M. Glass
Registration No. 46,729
Attorneys for Applicants
FISH & NEAVE
1251 Avenue of the Americas
New York, New York 10020-1105
Tel.: (212) 596-9000

Response to Rule 312 Communication	Application No.	Applicant(s)	
	08/119,367	BENNINGTON ET AL.	
	Examiner	Art Unit	
	M. Lee	2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. ☒ The amendment filed on 29 November 2001 under 37 CFR 1.312 has been considered, and has been:

a) ☒ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.



M. Lee
Primary Examiner
Art Unit: 2614



RECEIVED
AUG 01 2001
Docket No. 01-2001
Technology Center 2600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Bennington et al.
Application No.: 08/119,367
Filed : September 9, 1993
For : ELECTRONIC TELEVISION PROGRAM SCHEDULE
SYSTEM AND METHOD
Group Art Unit : 2614
Examiner : Lee, M.

New York, New York
July 23, 2001

Commissioner for Patents
Washington, D.C. 20231

PETITION UNDER 37 C.F.R. § 1.136(a)
FOR EXTENSION OF TIME

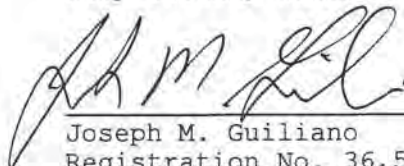
Sir:

Pursuant to 37 C.F.R. § 1.136(a), applicants hereby petition for a five-month extension of time to respond to the Office Communication dated January 24, 2001. With the extension, a response is due on or before July 24, 2001. A check in the amount of 1,890.00, in payment of the fee required under 37 C.F.R. § 1.17(a), is enclosed herewith.

The Director is authorized to charge any additional fees that may be due, or to credit overpayment of same, to

Deposit Account No. 06-1075. A duplicate copy of this
Petition is enclosed herewith.

Respectfully submitted,



Joseph M. Guiliano
Registration No. 36,539
Attorney for Applicants

I Herby Certify that this
Correspondence is being
Deposited with the U.S.
Postal Service as First
Class Mail in an Envelope
Addressed to:
COMMISSION FOR
PAPER
WASHINGTON, D.C. 20231 on

July 23, 2001
Lucinda J. Port

Lucinda J. Port
Signature of Person Signing

FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020-1104
Tel.: (212) 596-9000



EV. 9/00
For Other Than A Small Entity

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AUG 03 2001
Technology Center 2600

Docket No. UV-133

Applicants : Bennington et al.
Application No. : 08/119,367
Filed : September 9, 1993
For : ELECTRONIC TELEVISION PROGRAM SCHEDULE
SYSTEM AND METHOD
Group Art Unit : 2614
Examiner : Lee, M.

Commissioner for Patents
Washington, D.C. 20231

New York, New York
July 23, 2001

TRANSMITTAL LETTER

Sir:

Transmitted herewith: ☐ a Preliminary Amendment;
☒ a Reply to Office Action; ☐ a Supplemental Amendment;
☐ a substitute Specification; ☐ a Declaration; ☐ a
Supplemental Declaration; ☐ a Power of Attorney; ☐ an
Associate Power of Attorney; ☐ formal drawings; ☒ Petition
Under 37 C.F.R. § 1.136(a) for Extension of Time (five month);
to be filed in the above-identified patent application.

FEE FOR ADDITIONAL CLAIMS

☒ A fee for additional claims is not required.

☐ A fee for additional claims is required.

The additional fee has been calculated as shown below:

CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEES
TOTAL CLAIMS	-	* =	X \$ 18 =	\$
INDEPENDENT CLAIMS	-	** =	X \$ 80 =	\$
FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM			+ \$270 =	\$

* If less than 20, insert 20. TOTAL \$

** If less than 3, insert 3.

[] A check in the amount of \$_____ in payment of the filing fee is transmitted herewith.

[X] The Director is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. § 1.16, in connection with the paper(s) transmitted herewith, or credit any overpayment of same, to deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

[] Please charge \$_____ to Deposit Account No. 06-1075 in payment of the filing fee. A duplicate copy of this transmittal letter is transmitted herewith.

EXTENSION FEE

[X] The following extension is applicable to the Response filed herewith; [] \$110.00 extension fee for response within first month pursuant to 37 C.F.R. § 1.136(a); [] \$390.00 extension fee for response within second month pursuant to 37 C.F.R. § 1.136(a); [] \$890.00 extension fee for response within third month pursuant to 37 C.F.R. § 1.136(a); [] \$1,390.00 extension fee for response within fourth month pursuant to 37 C.F.R.

§ 1.136(a); [X] \$1,890.00 within fifth month pursuant to 37 C.F.R. § 1.136(a).

[X] A check in the amount of [] \$110.00; [] \$390.00; [] \$890.00; [] \$1,390.00; [X] \$1,890.00 in payment of the extension fee is transmitted herewith.

[X] The Director is hereby authorized to charge payment of any additional fees required under 37 C.F.R. § 1.17 in connection with the paper(s) transmitted herewith, or to credit any overpayment of same, to Deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

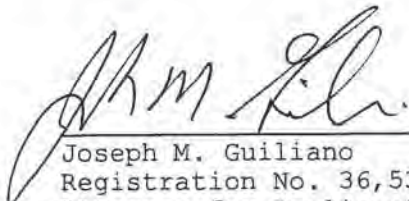
[] Please charge the [] \$110.00; [] \$390.00; [] \$890.00; [] \$1,390.00; [] \$1,890.00; extension fee to Deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

I Heroby Certify that this
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Class Mail in an Envelope
Addressed to:
COMM-FORMS FOR
PATENT
WASHINGTON, D.C. 20231 on

July 23, 2001

Lucinda Corio

Lucinda Corio
Signature of Person Signing


Joseph M. Guiliano
Registration No. 36,539
Attorney for Applicants

FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020-1104
Tel.: (212) 596-9000



Docket No.: UV-133

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Bennington et al.
Serial No. : 08/119,367
Filed : September 9, 1993
For : ELECTRONIC TELEVISION PROGRAM GUIDE
SCHEDULE SYSTEM AND METHOD
Group Art Unit : 2614
Examiner : M. Lee

Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER FOR SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(c)

Sir:

Transmitted herewith is a Supplemental
Information Disclosure Statement in the above-identified
application.

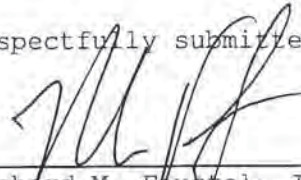
In accordance with 37 C.F.R. § 1.97(c), this
Statement is accompanied by:

- ☐ a certification as required under 37 C.F.R.
§ 1.97(e) (1) or § 1.97(e) (2); or
- ☒ a check in the amount of \$180.00 to cover
the fee as set forth in 37 C.F.R.
§ 1.17(p).

- 2 -

The Director is hereby authorized to charge payment of any additional fees required in connection with the accompanying Information Disclosure Statement, or credit any overpayment, to Deposit Account No. 06-1075. A duplicate copy of this letter is transmitted herewith.

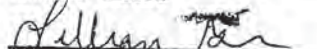
Respectfully submitted,



Richard M. Feustel, Jr.
Registration No. 46,698
Attorney for Applicants
FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020
Tel.: (212) 596-9000

I Hereby Certify that this
Correspondence is being
Deposited with the U.S.
Postal Service as First
Class Mail in an Envelope
Addressed to:
COMMISSIONER FOR
PATENTS
WASHINGTON, D.C. 20231 on

August 15, 2001
Lillian Garcia


Signature of Person Signing



PATENTS
UV-133

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicants : Bennington et al.
Serial No. : 08/119,367
Filed : September 9, 1993
For : ELECTRONIC TELEVISION PROGRAM GUIDE
SCHEDULE SYSTEM AND METHOD
Group Art Unit : 2614
Examiner : M. Lee

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AUG 30 2001
Technology Center 2600

Assistant Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Attached is a copy of the official Filing Receipt for this patent application. The Filing Receipt has been marked in red to correct Gerald E. Bennington's name. Mr. Bennington's name should be --Gerald--, not "Gerard". Please issue a corrected Filing Receipt in which Mr. Bennington's name is corrected.

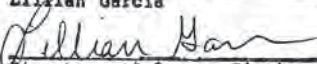
If any fee is deemed to be due in connection with this Request, please charge that fee to Deposit Account No. 06-1075. A duplicate copy of this paper is submitted herewith.

Respectfully submitted,



Richard M. Feustel, Jr.
Registration No. 46,698
Attorney for Applicants
FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020-1104
Tel.: (212) 596-9000

I Heroby Certify that this
Correspondence is being
Deposited with the U.S.
Postal Service as First
Class Mail in an Envelope
Addressed to:
COMMISSIONER FOR
PATENTS
WASHINGTON, D.C. 20231 on

August 13, 2001
Lillian Garcia

Signature of Person Signing



2614

REV.
For Other Than A Small Entity

Docket No. UV-133

Applicant(s) : Gerald E. Bennington, et al.
Application No. : 08/119,367 Confirmation No.:
Filed : September 9, 1993
For : ELECTRONIC TELEVISION PROGRAM GUIDE
SCHEDULE SYSTEM AND METHOD
Group Art Unit : 2614
Examiner : Michael H. Lee

RECEIVED
JUN 22 2001
U.S. PATENT & TRADEMARK OFFICE

Hon. Commissioner
for Patents
Washington, D.C. 20231

New York, New York
June 15, 2001

TRANSMITTAL LETTER

Sir:

Transmitted herewith: ☐ a Preliminary Amendment;
☐ a Reply to Office Action; ☐ a Supplemental Amendment; ☐
☐ a substitute Specification; ☐ a Declaration; ☐ a
Supplemental Declaration; ☒ a Power of Attorney; ☐ an
Associate Power of Attorney; ☐ formal drawings; to be filed
in the above-identified patent application.

FEE FOR ADDITIONAL CLAIMS

☒ A fee for additional claims is not required.

☐ A fee for additional claims is required.

The additional fee has been calculated as shown below:

CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEES
TOTAL CLAIMS	-	* =	X \$ 18 =	\$
INDEPENDENT CLAIMS	-	** =	X \$ 80 =	\$
FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM			+ \$270 =	\$
* If less than 20, insert 20.			TOTAL	\$_____

** If less than 3, insert 3.

[] A check in the amount of \$_____ in payment of the filing fee is transmitted herewith.

[X] The Director is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. § 1.16, in connection with the paper(s) transmitted herewith, or credit any overpayment of same, to deposit Account No. 06-1075. A duplicate copy of this transmittal letter is transmitted herewith.

[] Please charge \$_____ to Deposit Account No. 06-1075 in payment of the filing fee. A duplicate copy of this transmittal letter is transmitted herewith.

EXTENSION FEE

[] The following extension is applicable to the Response filed herewith; [] \$110.00 extension fee for response within first month pursuant to 37 C.F.R. § 1.136(a); [] \$390.00 extension fee for response within second month pursuant to 37 C.F.R. § 1.136(a); [] \$890.00 extension fee for response within third month pursuant to 37 C.F.R. § 1.136(a); [] \$1,390.00 extension fee for response within fourth month pursuant to 37 C.F.R.

\$ 1.136(a); \$1,890.00 within fifth month pursuant to
37 C.F.R. § 1.136(a).

☐ A check in the amount of ☐ \$110.00; ☐ \$390.00;
☐ \$890.00; ☐ \$1,390.00; ☐ \$1,890.00 in payment
of the extension fee is transmitted herewith.

☒ The Director is hereby authorized to charge payment
of any additional fees required under 37 C.F.R. §
1.17 in connection with the paper(s) transmitted
herewith, or to credit any overpayment of same, to
Deposit Account No. 06-1075. A duplicate copy of
this transmittal letter is transmitted herewith.

☐ Please charge the ☐ \$110.00; ☐ \$390.00;
☐ \$890.00; ☐ \$1,390.00; ☐ \$1,890.00; extension
fee to Deposit Account No. 06-1075. A duplicate
copy of this transmittal letter is transmitted
herewith.



Matthew V. Byrne
Registration No. 40,934
Attorney(s) for Applicant(s)

FISH & NEAVE
Customer No. 1473
1251 Avenue of the Americas
New York, New York 10020-1104
Tel.: (212) 596-9000

I Heroby Certify that this
Correspondence is being
Deposited with the U.S.
Postal Service as First
Class Mail in an Envelope
Addressed to: ASSISTANT
COMMISSIONER FOR
PATENTS
WASHINGTON, D.C. 20231 on

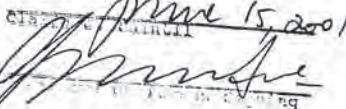
June 15, 2001

DISTRICT CLERK

Exhibit 5

Exhibit 4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Bennington et al.

Serial No.: 08/119,367

Art Unit: 2602

Filed: September 9, 1993

Examiner: Lee, M.

For: Electronic Television Program
Schedule System and Method

PETITION TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48(b)

Hon. Commissioner of Patent and Trademarks
Washington, D.C. 20231

Sir:

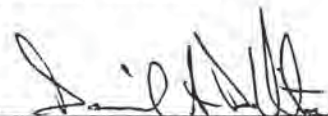
Pursuant to 37 C.F.R. § 1.48(b), applicants hereby petition the Commissioner for a correction of inventorship in the above-identified application. A correction of inventorship is necessary because, as a result of the cancellation of claims made in a Response being filed contemporaneously herewith, the invention of one of the originally-named joint inventors, Rosetta Rogers, is no longer being claimed. Accordingly, the inventorship should be amended to delete Ms. Rogers as a named inventor, as required by 37 C.F.R. § 1.48(b).

This Petition is supported by a declaration of the underlying facts by applicants' undersigned counsel, Daniel A. DeVito.

The Commissioner is hereby authorized to charge our Deposit Account No. 23-0800 in the amount of \$130.00 for the fee specified in 37 C.F.R. § 1.17(h). The Commissioner is also authorized to charge the same Deposit Account for any deficiencies in any fees, or any additional fees, associated with this Petition. A duplicate copy of this paper is submitted for accounting purposes.

Respectfully submitted,

Dated: May 23, 1996

By: 

Daniel A. DeVito
Reg. No. 32,125
WEIL, GOTSHAL & MANGES LLP
767 Fifth Avenue
New York, New York 10153
(212) 310-8866
Attorneys for Applicants

**MULTIPLE DEPENDENT CLAIM
FEE CALCULATION SHEET**
(FOR USE WITH FORM PTO-875)

SERIAL NO.

08/11936-

FILING DATE

9-9-93

APPLICANT(S)

CLAIMS

	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
1	1		1			
2		1		1		
3		2		2		
4		2		1		
5	1		1	5		
6		1		1		
7			1		1	
8				1		1
9				1		1
10				1		1
11				1		1
12				1		1
13			1		1	
14				1		1
15				1		1
16			1		1	
17				1		1
18				1		1
19			1		1	
20				1		1
21				1		1
22			1		1	
23				1		1
24			1			
25				1		
26			1		1	2
27			1		1	2
28			1			
29				1		
30			1			
31				1		
32			1		1	
33				1		
34				1		1
35				2		
36				2		
37				2		
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39				1		1
40				2		
41				2		
42			1		1	
43			1		1	
44			1		1	
45			1		1	
46				1		1
47				5		5
48				5		5
49						5
50						5
TOTAL IND.	2		10		13	
TOTAL DEP.	6		44		35	
TOTAL CLAIMS	8		60		48	

	* IND. DEP.		* IND. DEP.		* IND. DEP.	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
51		3				
52		5				
53		4				
54		1				
55		8				
56		1				
57	1					
58		1				
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83				4		
84				4		
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88			1			
89			1			
90			1			
91			1			
92			1			
93			1			
94			1			
95			1			
96				6		
97				8		
98				8		
99				8		
100			1			
TOTAL IND.	3					
TOTAL DEP.	34					
TOTAL CLAIMS	37					

PTO-1360 (3-78)

*MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

MULTIPLE DEPENDENT CLAIM
FEE CALCULATION SHEET
(FOR USE WITH FORM 1.5 375)

08/119,367
APPLICANT(S)

CLAIMS						
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT	
	IND.	DEP.	IND.	DEP.	IND.	DEP.
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97						
98						
99						
100						
TOTAL IND.						
TOTAL DEP.						
TOTAL CLAIMS						

*MAY BE USED FOR ADDITIONAL CLAIMS OR AMENDMENTS

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

MULTIPLE DEPENDENT CLAIM FEE CALCULATION SHEET (FOR USE WITH FORM PTO-875)							SERIAL NO. 119,367	FILING DATE					
							APPLICANT(S) Bennington						
CLAIMS													
	AS FILED		AFTER 1st AMENDMENT		AFTER 2nd AMENDMENT			*		*			
	IND.	DEP.	IND.	DEP.	IND.	DEP.		IND.	DEP.	IND.	DEP.		
10 1	1						51						
10 2	1						52						
10 3		6					53						
10 4		6					54						
10 5		6					55						
10 6		6					56						
10 7		5					57						
10 8		5					58						
10 9		10					59						
1 10		6					60						
1 11		8					61						
1 12	1						62						
1 13	1						63						
1 14	1						64						
1 15	1						65						
1 16	1						66						
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1 18	1						68						
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1 24	1						74						
1 25		12					75						
1 26		9					76						
1 27		9					77						
1 28		8					78						
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43							93						
44							94						
45							95						
46							96						
47							97						
48							98						
49							99						
50							100						
TOTAL IND.	30		4				TOTAL IND.						
TOTAL DEP.	225						TOTAL DEP.						
TOTAL CLAIMS							TOTAL CLAIMS						

PTO-1364-2 (7-1)

U.S. DEPT. OF COMMERCE
Patent and Trademark Office

PATENT APPLICATION FEE DETERMINATION RECORD Effective October 1, 1995

Application or Docket Number

08/119,367

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	minus 20 =	*
INDEPENDENT CLAIMS	minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT		

* If the difference in column 1 is less than zero, enter "0" in column 2

SMALL ENTITY

RATE	FEE
	375.00
x\$11=	
x39=	
+125=	
TOTAL	

OR

OTHER THAN SMALL ENTITY

RATE	FEE
	750.00
x\$22=	
x78=	
+250=	
TOTAL	

CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 57	Minus ** 227	= —
Independent	* 33	Minus *** 48	= —
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

SMALL ENTITY

RATE	ADDI-TIONAL FEE
x\$11=	
x39=	
+125=	
TOTAL	

OR

OTHER THAN SMALL ENTITY

RATE	ADDI-TIONAL FEE
x\$22=	
x78=	
+250=	
TOTAL	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 48	Minus ** 227	= —
Independent	* 26	Minus *** 48	= —
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

RATE	ADDI-TIONAL FEE
x\$11=	
x39=	
+125=	
TOTAL	

OR

RATE	ADDI-TIONAL FEE
x\$22=	
x78=	
+250=	
TOTAL	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 56	Minus ** 227	=
Independent	* 29	Minus *** 48	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

RATE	ADDI-TIONAL FEE
x\$11=	
x39=	
+125=	
TOTAL	

OR

RATE	ADDI-TIONAL FEE
x\$22=	
x78=	
+250=	
TOTAL	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

U.S. DEPARTMENT OF COMMERCE- PATENT & TRADEMARK OFFICE											
PAGE DATA ENTRY CODING SHEET										DATE	
(REV 1/1993)		APPLICATION NUMBER		TYPE APPL		FILING DATE		SPECIAL HANDLING		1ST EXAMINER	
136414		1		031894		0		3309		0NR	
TOTAL CLAIMS		INDEPENDENT CLAIMS		SMALL ENTITY?		FILING FEE		FOREIGN LICENSE		2ND EXAMINER	
-25		-5		0		1092		9		1985	
ATTORNEY DOCKET NUMBER		CLASS									
		606									
SHEETS OF DRAWING		DATE									
-4		3-3-94									

CONTINUITY DATA											
PARENT APPLICATION SERIAL NUMBER				PARENT PATENT NUMBER				PARENT FILING DATE			
07571212				5057105				082390			
07399773								082889			
0											
0											
0											
STATUS CODE				CONTINUITY CODE				FOREIGN PRIORITY CLAIMED			
13				04				13			

PCT/FOREIGN APPLICATION DATA											
COUNTRY CODE				PCT/FOREIGN APPLICATION SERIAL NUMBER				FOREIGN FILING DATE			

U.S. DEPARTMENT OF COMMERCE- PATENT & TRADEMARK OFFICE

119367 PACE DATA ENTRY CODING SHEET

[illegible]

PATENT APPLICATION FEE DETERMINATION RECORD						Application or Docket Number 136414		
Effective October 1, 1992								
CLAIMS AS FILED - PART I						SMALL ENTITY OR OTHER THAN SMALL ENTITY		
(Column 1)		(Column 2)		(Column 3)				
FOR	NUMBER FILED	NUMBER EXTRA		RATE	FEE			
BASIC FEE					\$355.00	OR	\$710.00	
TOTAL CLAIMS	10 25	minus 20 =	* 5	x\$11=		OR	x\$22= 110	
INDEPENDENT CLAIMS	2 5	minus 3 =	* 3	x 37=		OR	x 74= 222	
MULTIPLE DEPENDENT CLAIM PRESENT				+115=		OR	+230=	
				TOTAL		OR	TOTAL 1042	
* If the difference in column 1 is less than zero, enter "0" in column 2								
CLAIMS AS AMENDED - PART II						SMALL ENTITY OR OTHER THAN SMALL ENTITY		
(Column 1)		(Column 2)		(Column 3)				
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE		
	Total	*	Minus	**	=	x\$11=	OR	x\$22=
	Independent	*	Minus	***	=	x 37=	OR	x 74=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				+ 115=	OR	+230=	
	TOTAL					OR	TOTAL	
(Column 1)		(Column 2)		(Column 3)		ADDIT. FEE		
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE		
	Total	*	Minus	**	=	x\$11=	OR	x\$22=
	Independent	*	Minus	***	=	x 37=	OR	x 74=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				+ 115=	OR	+ 230=	
	TOTAL					OR	TOTAL	
(Column 1)		(Column 2)		(Column 3)		ADDIT. FEE		
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE		
	Total	*	Minus	**	=	x\$11=	OR	x\$22=
	Independent	*	Minus	***	=	x 37=	OR	x 74=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				+115=	OR	+230=	
	TOTAL					OR	TOTAL	
(Column 1)		(Column 2)		(Column 3)		ADDIT. FEE		

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

PATENT APPLICATION FEE DETERMINATION RECORD					Application or Docket Number 08/119367	
Effective October 1, 1992						
CLAIMS AS FILED - PART I						
(Column 1)		(Column 2)		SMALL ENTITY		OR
FOR	NUMBER FILED	NUMBER EXTRA		RATE	FEE	OTHER THAN SMALL ENTITY
BASIC FEE					\$355.00	\$710.00
TOTAL CLAIMS	8	minus 20 =	*	x\$11=		x\$22=
INDEPENDENT CLAIMS	2	minus 3 =	*	x 37=		x 74=
MULTIPLE DEPENDENT CLAIM PRESENT ☒				+115=		+230= 230
				TOTAL		OR TOTAL 940
* If the difference in column 1 is less than zero, enter "0" in column 2						
CLAIMS AS AMENDED - PART II						
(Column 1)		(Column 2)		SMALL ENTITY		OR
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE	OTHER THAN SMALL ENTITY
Total	*57	Minus	**20	x\$11=		x\$22= 814
Independent	*17	Minus	***3	x 37=		x 74= 1036
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				+ 115=		+230=
				TOTAL		OR TOTAL
(Column 1)		(Column 2)		(Column 3)		AMENDMENT B
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE	OTHER THAN SMALL ENTITY
Total	*85	Minus	**57	x\$11=		x\$22= 666
Independent	*16	Minus	***17	x 37=		x 74= 76
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				+ 115=		+ 230=
				TOTAL		OR TOTAL
(Column 1)		(Column 2)		(Column 3)		AMENDMENT C
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE	OTHER THAN SMALL ENTITY
Total	*227	Minus	**85	x\$11=		x\$22= 3124
Independent	*48	Minus	***16	x 37=		x 74= 2432
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				+115=		+230=
				TOTAL		OR TOTAL
				ADDIT. FEE		ADDIT. FEE 5526
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.						

PATENT APPLICATION FEE DETERMINATION RECORD

Effective November 10, 1998

Application or Docket Number

08/119,367

CLAIMS AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	minus 20= *	
INDEPENDENT CLAIMS	minus 3 = *	
MULTIPLE DEPENDENT CLAIM PRESENT		

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT	(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
I			
Total	*	Minus **	=
Independent	*	Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT	(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
J			
Total	*	Minus **	=
Independent	*	Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT	(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
K			
Total	*	Minus **	=
Independent	*	Minus ***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SMALL ENTITY
TYPE ☐

OR OTHER THAN
SMALL ENTITY

RATE	FEE
	380.00
X\$ 9=	
X39=	
+130=	
TOTAL	

RATE	FEE
	760.00
X\$18=	
X78=	
+260=	
TOTAL	

SMALL ENTITY

OR OTHER THAN
SMALL ENTITY

RATE	ADDI- TIONAL FEE
X\$ 9=	
X39=	
+130=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$18=	
X78=	
+260=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$ 9=	
X39=	
+130=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$18=	
X78=	
+260=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$ 9=	
X39=	
+130=	
TOTAL ADDIT. FEE	

RATE	ADDI- TIONAL FEE
X\$18=	
X78=	
+260=	
TOTAL ADDIT. FEE	

D. Seale
1-31-24

SEARCHED



08119367

Class	Sub.	Date	Ex
348	906	8/4/54	me
	460		
	461	updated	
	463		
	464	1/18/54	me
	465		
	466		
	467	updated	
	468		
	731	2/27/58	me
455	732	updated	
	734		me
	186.1	11/18/66	
	186.2	updated	
404M		3/2/78	me
	7/087		
	7/04		
	7/08		
	5/50		
348	5/44, 7/14		
	6		
	7		
	8		
	10		
	12		
	13		
	563	updated	
	569	8/30/01	me
	570		
725	473		
	474		
	39		
	40		
	45		

Incident filed
 10/1/93 in with
 Mitchell Lee, #12600
 while case is pending

SEARCH NOTES

Person consulted with	Date	Exmr.
David Harvey	8/10/54	me
Victor Kostark		
Howard Britton		

INTERFERENCE SEARCHED

Class	Sub.	Date	Exmr.
725	40	8/30/01	me
	39		
348	569		

(RIGHT OUTSIDE)

08/

APPROVED FOR LICEISE



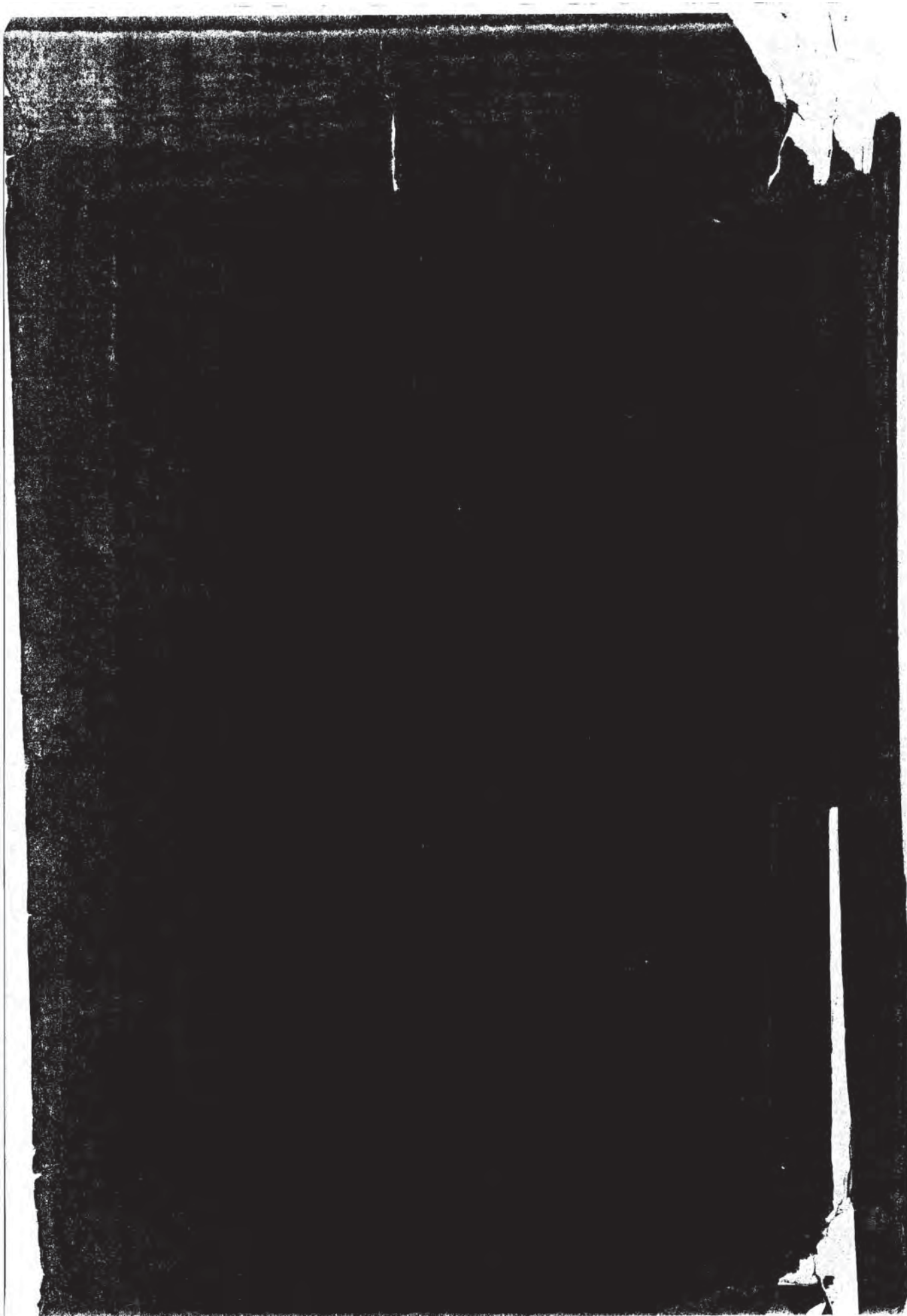
08119367

Date Entered or Counted

Date Received or Mailed

CONTENTS

1.	Application	papers.	
2.	CRda		9/30/93
3.	Decl. & Surch.		10-4-93
4.	Att.		10-14-93
5.			
6.			
7.	Power to Inspect		6-23-94
8.	Re: Petition to make special		7-5-94
9.	Re: (3 mos)		8-11-94
10.	Re: Petition to make special		9-9-94
11.	Re: Petition to make special		10-14-94
12.	Decision On Petition TO make special		11-14-94
13.	Final		Oct 4/95
14.	Final		Oct 25/95
15.	Final		Oct 28/95
16.	Final		Oct 28/95
17.	Re: (3 mos)		2-2-95
18.	Re: Petition to make special		4-13-95
19.	Re: Petition to make special		4-13-95
20.	Re: Petition to make special		4-13-95
21.	Re: Petition to make special		4-13-95
22.	Letter		7-25-95
23.	Re: Petition to make special		8-1-95
24.	Re: (3 mos)		9/16/95
25.	Power to Inspect		9-21-95
26.	Final		11-15-95
27.	IDS		11-15-95
28.	Power to Inspect		2-21-96
29.	Re: Petition to make special		03-05-96
30.	Interview Summary Record		5-7-96
31.	Final		5-24-96
	Re: (3 mos)		11-20-96
			12-5-96



Staple Issuance Slip

POSITION	ID NO.	DATE
CLASSIFIER	10	9-27-93
EXAMINER	353	9-28-93
TYPIST	537	10-7-93
VERIFIER		
CORPS CORR.		
SPEC. HAND	422	11-5-93
FILE MAINT.	MS	9-2-93
DRAFTING		

INDEX OF CLAIMS

Claim	Final	Original	Date
1		8	2
2		1	18
3		23	27
4		15	95
5		22	96
6		11	11
7		18	27
8		20	20
9		21	21
10		22	22
11		23	23
12		24	24
13		25	25
14		26	26
15		27	27
16		28	28
17		29	29
18		30	30
19		31	31
20		32	32
21		33	33
22		34	34
23		35	35
24		36	36
25		37	37
26		38	38
27		39	39
28		40	40
29		41	41
30		42	42
31		43	43
32		44	44
33		45	45
34		46	46
35		47	47
36		48	48
37		49	49
38		50	50

SYMBOLS
 ✓ Rejected
 - (Through numeral) Allowed
 + Canceled
 N Restricted
 I Non-elected
 A Interference
 O Appeal
 O Objected

Claim	Final	Original	Date
39		101	
40		102	
41		103	
42		104	
43		105	
44		106	
45		107	
46		108	
47		109	
48		110	
49		111	
50		112	
51		113	
52		114	
53		115	
54		116	
55		117	
56		118	
57		119	
58		120	
59		121	
60		122	
61		123	
62		124	
63		125	
64		126	
65		127	
66		128	
67		129	
68		130	
69		131	
70		132	
71		133	
72		134	
73		135	
74		136	
75		137	
76		138	
77		139	
78		140	
79		141	
80		142	
81		143	
82		144	
83		145	
84		146	
85		147	
86		148	
87		149	
88		150	

(LEFT INSIDE)

INDEX OF CLAIMS

Claim		Date				
Final	Original	8	11	18	29	30
29	101	✓	✓	✓	✓	✓
30	102	✓	✓	✓	✓	✓
31	103	✓	✓	✓	✓	✓
32	104	✓	✓	✓	✓	✓
33	105	✓	✓	✓	✓	✓
34	106	✓	✓	✓	✓	✓
35	107	✓	✓	✓	✓	✓
36	108	✓	✓	✓	✓	✓
37	109	✓	✓	✓	✓	✓
38	110	✓	✓	✓	✓	✓
39	111	✓	✓	✓	✓	✓
40	112	✓	✓	✓	✓	✓
41	113	✓	✓	✓	✓	✓
42	114	✓	✓	✓	✓	✓
43	115	✓	✓	✓	✓	✓
44	116	✓	✓	✓	✓	✓
45	117	✓	✓	✓	✓	✓
46	118	✓	✓	✓	✓	✓
47	119	✓	✓	✓	✓	✓
48	120	✓	✓	✓	✓	✓
49	121	✓	✓	✓	✓	✓
50	122	✓	✓	✓	✓	✓
51	123	✓	✓	✓	✓	✓
52	124	✓	✓	✓	✓	✓
53	125	✓	✓	✓	✓	✓
54	126	✓	✓	✓	✓	✓
55	127	✓	✓	✓	✓	✓
56	128	✓	✓	✓	✓	✓
57	129	✓	✓	✓	✓	✓
58	130	✓	✓	✓	✓	✓
59	131	✓	✓	✓	✓	✓
60	132	✓	✓	✓	✓	✓
61	133	✓	✓	✓	✓	✓
62	134	✓	✓	✓	✓	✓
63	135	✓	✓	✓	✓	✓
64	136	✓	✓	✓	✓	✓
65	137	✓	✓	✓	✓	✓
66	138	✓	✓	✓	✓	✓
67	139	✓	✓	✓	✓	✓
68	140	✓	✓	✓	✓	✓
69	141	✓	✓	✓	✓	✓
70	142	✓	✓	✓	✓	✓
71	143	✓	✓	✓	✓	✓
72	144	✓	✓	✓	✓	✓
73	145	✓	✓	✓	✓	✓
74	146	✓	✓	✓	✓	✓
75	147	✓	✓	✓	✓	✓
76	148	✓	✓	✓	✓	✓
77	149	✓	✓	✓	✓	✓
78	150	✓	✓	✓	✓	✓
79	151	✓	✓	✓	✓	✓
80	152	✓	✓	✓	✓	✓
81	153	✓	✓	✓	✓	✓
82	154	✓	✓	✓	✓	✓
83	155	✓	✓	✓	✓	✓
84	156	✓	✓	✓	✓	✓
85	157	✓	✓	✓	✓	✓
86	158	✓	✓	✓	✓	✓
87	159	✓	✓	✓	✓	✓
88	160	✓	✓	✓	✓	✓
89	161	✓	✓	✓	✓	✓
90	162	✓	✓	✓	✓	✓
91	163	✓	✓	✓	✓	✓
92	164	✓	✓	✓	✓	✓
93	165	✓	✓	✓	✓	✓
94	166	✓	✓	✓	✓	✓
95	167	✓	✓	✓	✓	✓
96	168	✓	✓	✓	✓	✓
97	169	✓	✓	✓	✓	✓
98	170	✓	✓	✓	✓	✓
99	171	✓	✓	✓	✓	✓
100	172	✓	✓	✓	✓	✓

Claim		Date				
Final	Original	7	29	30		
53	101	✓	✓	✓		
54	102	✓	✓	✓		
55	103	✓	✓	✓		
56	104	✓	✓	✓		
57	105	✓	✓	✓		
58	106	✓	✓	✓		
59	107	✓	✓	✓		
60	108	✓	✓	✓		
61	109	✓	✓	✓		
62	110	✓	✓	✓		
63	111	✓	✓	✓		
64	112	✓	✓	✓		
65	113	✓	✓	✓		
66	114	✓	✓	✓		
67	115	✓	✓	✓		
68	116	✓	✓	✓		
69	117	✓	✓	✓		
70	118	✓	✓	✓		
71	119	✓	✓	✓		
72	120	✓	✓	✓		
73	121	✓	✓	✓		
74	122	✓	✓	✓		
75	123	✓	✓	✓		
76	124	✓	✓	✓		
77	125	✓	✓	✓		
78	126	✓	✓	✓		
79	127	✓	✓	✓		
80	128	✓	✓	✓		
81	129	✓	✓	✓		
82	130	✓	✓	✓		
83	131	✓	✓	✓		
84	132	✓	✓	✓		
85	133	✓	✓	✓		
86	134	✓	✓	✓		
87	135	✓	✓	✓		
88	136	✓	✓	✓		
89	137	✓	✓	✓		
90	138	✓	✓	✓		
91	139	✓	✓	✓		
92	140	✓	✓	✓		
93	141	✓	✓	✓		
94	142	✓	✓	✓		
95	143	✓	✓	✓		
96	144	✓	✓	✓		
97	145	✓	✓	✓		
98	146	✓	✓	✓		
99	147	✓	✓	✓		
100	148	✓	✓	✓		

SYMBOLS
✓ Accepted
= Amended
- (Through numeral) Amended
+ Amended
N Not elected
I Inference
A Appeal
O Objected

TENTS

33. Ext of time ⁽³⁾ w/leg for reconsideration	5-27-97
34. Declaration	5-27-97
35. Communication	9/24/97
36. Amdt J	10-24-97
37. Letter	12/17/97
38. Amdt K	1-20-98
39. Phil (3 mths)	3-31-98
40. Ext. by Time ⁽³⁾	10-5-98
41. Declaration	10-5-98
42. Prior Art	10-5-98
43. Responsive Amdt	10-5-98
44. Letter 1 (mos)	
45. Letter	
46. Amdt H	
47. Motivation of Action	4-3
48. NO NOTIFICATION OF ACTION 5/21/99	
7/28/99 49. Final Rej. ⁽³⁾	7-28-99
9/1/99 50. Response to office action	8-31-99
9/2/99 51. Interview Summary	9-2-99
9/2/99 52. Amdt I (N.E.)	9-16-99
10-7-99 53. Advisory Action	
54. Ext. of Time ⁽²⁾	12-28-99
55. Suppl. Amdt J (N.E.)	12-23-99
56. Petition	12-28-99
57. Suppl. Amdt K (N.E.)	12-28-99
58. Sup Suspension 6 mos.	1-28-00
59. Suppl Amdt L	12-28-99
60. Pet 10 Second Suspension	

~~6-21-99~~ ~~6-27-99~~ ~~1-11-99~~
6-21-99/Power of attorney
6-27-99/Re: Advancement
6-27-99/Intercept A
Req for Interference
64. Request For Access

6-21-99
6-27-99
1-11-99
03-05-02

over

64 Letter
 64 Extension time 5

1-24-01
 8-23-01

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66 Notice of Allow
 67 Notice of Entry

8-31-01

68 312 Smith

3/11/02

69 312 Smith

11/13/01

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