

Robert Dezmelyk

Curriculum Vitae

Address:

1 Bancroft Road
Newton, NH 03858

Education:

BA Massachusetts Institute of Technology 1979
Special program in computer based control systems

Recent Continuing Education:

MCLE 2002 Conference on Intellectual Property - June 14, 2002
Law Seminars International, *Immediate Impacts of Patent Reform* - Oct. 6, 2011

Employment History:

1980 to the present	President and CEO of LCS/Telegraphics (“LCS”), Newton, NH Software and product development and licensing, consulting, engineering management and sales
1976 - 1980	Owner, Robert Dezmelyk Associates, Cambridge, MA Software and product development, consulting, sales of computer systems
1977 - 1979	Massachusetts Institute of Technology, Cambridge, MA Software and instrument development.
1976	2005AD Inc., Philadelphia PA Software development, microcomputer systems integration
1975 - 1976	Massachusetts Institute of Technology, Cambridge, MA Software development
1975	2005AD Inc., Philadelphia, PA Assembly of audio mixing console hardware, audio engineering
1974 – 1975	C. S. Draper Laboratory Mechanical fabrication
1972 - 1975	Galaxie Engineering, Newtown Square, PA Mechanical fabrication and product development

Expertise:

- Personal computer, gaming and phone input device architecture, standards and device drivers.
- Capacitive and other touch sensing technologies.
- IBM Compatible PC operating systems architecture from MS-DOS through Windows 10, including device driver and code installation architecture, systems programming, and software development.
- Universal Serial Bus technology.
- Applications software technology including user interface designs, GUI implementations, graphics editing programs, and the interaction of the programs with input subsystems.
- Microprocessor based hardware and firmware design.
- Industry standards setting processes.
- Reverse engineering of applications programming interfaces and software components.
- Detection and analysis of software in connection with piracy issues.
- Complex software code development and maintenance.
- Evaluation of visual similarity, functional abstraction, and usability of user interfaces.
- Voting systems.

Industry Standards Activities:

Founder and Chairman, Committee For Advanced Pointing Standards, the group which created the Wintab™ standard Applications Programming Interface for digitizing tablets and other advanced pointing devices. 1991 to 2000.

Chairman, Universal Serial Bus Human Interface Device Working Group, the group which created the USB HID standard. 1996 to Nov. 1998

Chairman Access.bus Software Working Group, part of the Access.bus industry standards group which developed a predecessor to Universal Serial Bus. 1993 to 1995

Participant, Active PS/2 Multiplexing Specification project. 1998

Published Specifications:

Wintab™ Interface Specification 1.1, Revised May 9. 1996 (My employee R. Poyner served as the named author of the specification. I had final editorial authority over the publication) The specification is available at <http://www.csl.sony.co.jp/projects/ar/restricted/wintabl.html>.

Universal Serial Bus HID 1.0 Specification, January 30, 1996 (My employee S. Schumacher served as the named editor, I had final editorial authority over the publication, subject to the votes of the committee I chaired) The latest version of the specification is available at http://www.usb.org/developers/devclass_docs/HID1_11.pdf.

Access.bus Specification, sections on locator devices, software interfaces. September 1995. Available at <http://www.mcc-us.com/abspec30.htm>.

Active PS/2 Multiplexing Standard, October 6, 1998. (Edited by Dave Gillespie at Synaptics, I was a contributor to the specification.) The specification is available at <http://www.synaptics.com/decaf/utilities/ps2-mux.PDF>

Other Industry Groups

Member, IEEE, ACM

Former Member of the American Society of Photogrammetry, American Committee for Interoperable Systems (ACIS), and the Audio Engineering Society.

Other Activities:

United States Election Assistance Commission Standards Board 2009 to the present

Executive Board of the United States Election Assistance Commission Standards Board
February 2011 to April 2015

New Hampshire State Disabilities Access and Voting Systems Task Force 2005

Moderator, Town of Newton, New Hampshire 2002 to the present

Assistant Moderator, Town of Newton, New Hampshire 1999 to 2002

Chairman, Newton School Study Committee, Town of Newton, New Hampshire 1995

Expert Consultancy:

Confidential Client

Forensic analysis of object code relating to machine control software.

Confidential Client

Review of claim construction and prior art regarding several patents related to digitizing tablets.

Confidential Client

Review of claim construction and prior art regarding several patents related to digitizing tablets.

Confidential Client

Review and analysis of medical lab reporting software.

Confidential Client

Review of prior art to several patents related to game controller technology.

Confidential Client

Review patent portfolio related to input device and remote controller technology.

Confidential Client

Review patents related to portable computer technology in the area of wearable and other highly portable computers.

Confidential Client

Review of prior art related to input devices.

Confidential Client

Review of prior art related to PC resume from sleep technology.

Confidential Client

Technical consulting and review of prior art related to input device interfaces.

Confidential Client

Review a patent related to interactive web user authentication technology.

Confidential Client

Review of patents related to serial bus interface technology.

Confidential Client

Technical consulting regarding a touch sensing input device.

Confidential Client

Review of prior art regarding touch activated on screen display technology.

Confidential Client

Review prior art regarding USB interface technology.

Confidential Client

Review of prior art, claim construction and other issues regarding TV remote controller switch technology.

Confidential Client

Review prior art regarding USB interface technology.

Confidential Client

Review prior art regarding smart phone technology.

Confidential Client

Review prior art regarding game controller technology.

Confidential Client

Review prior art and claim terms regarding USB interface technology.

Confidential Client

Review prior art regarding power control technology.

Confidential Client

Review prior art and claim terms regarding a user interface patent.

Confidential Client

Review a patent regarding USB connector technology.

Confidential Client

Review a patent regarding USB connector technology.

Confidential Client

Review an on-line business method related patent.

Confidential Client

Review prior art regarding a web browser related patent.

Confidential Client

Prior art search related to GSM data modems.

Confidential Client

Review software related to an interactive game controller patent.

Confidential Client

Review prior art and claims related to user interfaces for network configuration and operation.

Confidential Client

Evaluation of capacitive touch screen controllers

Confidential Client

Review issues related to an input device

Confidential Client

Technical consulting regarding USB interface failures

Confidential Client

Review and locate prior art related to a remote control

Confidential Client

Review products related to a patent in the area of high speed communications technology

Confidential Client
Validity of a patent related to an audio device

Confidential Client
Prior art search related to IP networking technology

Confidential Client
Review products related to a patent in the area of high speed communications technology

Confidential Client
Evaluation of USB interface performance

Confidential Client
Review prior art regarding touch based user interfaces

Confidential Client*
Review prior art and patents related to remote controller technology

Confidential Client*
Review prior art and patents related to mobile phone display technology

Confidential Client*
Evaluation of the operation of touch screen controllers and related system software.

Confidential Client*
Review prior art regarding network peripheral configuration

Confidential Client*
Review prior art regarding connector technology

Confidential Client*
Review prior art and patents related to peripheral configuration

Testimony:

Schumer v. Lab. Computer Sys., Inc., No. C99-0474L (W.D. Wash. Oct. 16, 2001)
For LCS - Patent dispute regarding input device technology.

Computer Access Technology Corporation v. Catalyst Enterprises, Inc. (Dec. 2000
Northern District of California)
For CATC - Trade dress/Trademark infringement dispute regarding a user interface.

Trading Technologies International, Inc. v. eSpeed, Inc. et al, No. 04 C 5312 (September
2007) *For eSpeed et al - Patent dispute regarding a user interface.*

Smart Technologies Inc v. Polyvision Corporation, No. 1:04-cv-713 (November 2007)
For Polyvision - Patent dispute regarding input device technology.

Anascape Ltd. v. Microsoft and Nintendo of America, Inc. No.: 9:06-CV-00158-RC
(Eastern District of Texas, May 2008)
For Nintendo - Patent dispute regarding input device technology.

Primax Electronics Ltd. v. KYE Systems America Corp. No. CV 09-02821 RGK (FFMx)
(Central District of California, May 2010)
For Primax - Patent dispute regarding input device technology.

Elan Microelectronics Corp. v. Apple, Inc. No. 09-cv-01531 RS
(Northern District of California)
For Elan - Patent dispute regarding input device technology.

In the Matter of Certain Electronic Devices with Multitouch Enabled Touchpads and
Touchscreens Investigation No. 337-TA-714
(United States International Trade Commission)
For Elan - Patent dispute regarding input device technology.

KYE Systems America Corp. v. Primax Electronics Ltd., 2:10-cv-04481 RGK
(Central District of California, Western Division)
For Primax - Patent dispute regarding input device technology.

Aten International Co. Ltd v. Belkin Inc., 8:09-CV-843 AG
(Central District of California, Southern Division)
For Belkin - Patent dispute regarding KVM technology.

Apple Inc. v. Motorola Inc., 10-CV-662 BBC
(Western District of Wisconsin)
For Motorola - Patent dispute regarding gesture based user interfaces.

Memory Control Enterprise LLC. v. Yamaha Motor Corp. USA., 2:11-CV-05203-PA
(Central District of California, Western Division)
For Yamaha - Patent dispute regarding display of graphic images.

Avocent Redmond Corp. v. Rose Electronics, *et al*, C06-1711RSL
(Western District of Washington)
For Defendants Belkin and Aten – Patent dispute regarding KVM technology

Re-examination of U.S. Patent 7,952,483
(United States Patent and Trademark Office)
For Third Party Requester Nintendo of America - Patent regarding video game controllers

Re-examination of U.S. Patent 7,292,151
(United States Patent and Trademark Office)
For Third Party Requester Nintendo of America - Patent regarding video game controllers

Contour Design Inc. v. Chance Mold, Taiwanese Court Appeal by Chance Mold (case status unknown) (Supreme Court of the Republic of China)

For Contour Design Inc. - Dispute related to copyright infringement

Gen X Microsystems, Inc. v. Sanyo North America Corp., 13-01064*
(Western District of Michigan)

For Gen X Microsystems - Contract dispute regarding a capacitive touch user interface

DSS Technology Management, Inc. v. Apple, Inc., 6:13-cv-00919*
(Eastern District of Texas)

For DSS - Patent dispute regarding RF networking technology

DSS Technology Management, Inc. v. Lenovo, Inc., 6:14-cv-00525
(Eastern District of Texas)

For DSS - Patent dispute regarding RF networking technology

Apple, Inc. v. DSS Technology Management, Inc., IPR2015-00369
(Patent Trial and Appeal Board)

For Patent Owner DSS Technology Management - Patent regarding RF networking technology

Apple, Inc. v. DSS Technology Management, Inc., IPR2015-00373
(Patent Trial and Appeal Board)

For Patent Owner DSS Technology Management - Patent regarding RF networking technology

LG Electronics et al v. Cypress Semiconductor Corp., IPR2014-01302
(Patent Trial and Appeal Board)

For Patent Owner Cypress Semiconductor - Patent regarding capacitive touch sensing

LG Electronics et al v. Cypress Semiconductor Corp., IPR2014-01343
(Patent Trial and Appeal Board)

For Patent Owner Cypress Semiconductor - Patent regarding capacitive touch sensing

Apple, Inc. v. DSS Technology Management, Inc., IPR2015-00369, IPR2015-00373
(Patent Trial and Appeal Board)

For Patent Owner DSS Technology Management, Inc. - Patent regarding RF networking technology

Tactile Feedback Technology, LLC v. Samsung Electronics America, Inc., 2:14-cv-940
(Eastern District of Texas)

For Samsung America Inc. - Patent dispute regarding touch screens with tactile force feedback

In the Matter of Certain Touchscreen Controllers and Products Containing the Same
No. 337-TA-957
(United States International Trade Commission)
For Synaptics - Patent dispute regarding capacitive touch sensing technology.

Intellectual Ventures I LLC v. Toshiba Corporation, et al., 13-cv-453-SLR
(Delaware)
For Intellectual Ventures I LLC - Patent dispute regarding high speed serial bus technology

JVIS-USA, LLC et al v. Nartron Corporation et al, 2013-2742-CB
(Macomb County Circuit Court, Michigan)
For Nartron - Technical analysis in a trade secrets and contract dispute

Ironburg Innovations Ltd., v. Valve Corporation, 1:15-cv-04219-TWT*
(Northern District of Georgia, Atlanta Division)
For Valve Corporation - Patent dispute regarding game controller technology

Aten Technology Co., Ltd v. Uniclass Technology Co., Ltd, 2:15-cv-04424-BRO
(Central District of California)
For Uniclass Technology Co. - Patent dispute regarding KVM technology

iLife Technologies, Inc. v. Nintendo of America, Inc., 3:13-cv-04987
(Northern District of Texas)
For Nintendo - Patent dispute regarding game controller technology

Papst Licensing GmbH Co. KG. v. LG Electronics, Inc., et al, 6:15-cv-1095 (lead case)
6:15-cv-1099 (consolidated) (Eastern District of Texas)
For LG - Patent dispute regarding peripheral interface drivers

Fundamental Innovation Systems International LLC v. LG Electronics, Inc. et al, 2:16-
CV-01425 (Eastern District of Texas)
For LG and Huawei – Patent dispute regarding power supply technology

Anylogic North America, LLC v. TheBrain Technologies, LP (IPR2018-00546)
(Patent Trial and Appeal Board)
For Petitioner Anylogic North America, LLC - Patent regarding graphical user interfaces

Derive Power, LLC et al v. EZ Lynk et al, 2:16-cv-01066 (District of Utah)
For Derive - Dispute related to copyright infringement

TTE Technology Inc. v. Interface Linx, LLC (IPR2018-01036)
(Patent Trial and Appeal Board)
For Petitioner TTE Technology Inc. - Patent regarding connector technology

* Active matters as of July 1, 2020