

IN THE UNITED STATES COURT OF FEDERAL CLAIMS

CELLCAST TECHNOLOGIES, LLC)
)
and)
)
ENVISIONIT, LLC)
)
Plaintiffs,)
)
v.) No. 15-1307
)
THE UNITED STATES,) Judge Victor J. Wolski
)
Defendant,)
)
and)
)
INTERNATIONAL BUSINESS MACHINES)
CORP.,)
)

Third-Party Defendant)

**DEFENDANTS UNITED STATES AND INTERNATIONAL BUSINESS MACHINE
CORPORATION'S INVALIDITY CONTENTIONS**

In accordance with the Court's July 20, 2016 Scheduling Order, Defendants the United States and International Business Machines Corporation ("IBM") provide the following "Response Charts" containing a disclosure of Defendants' invalidity contentions for the asserted claims of U.S. Patent Nos. 7,693,938 ("the '938 patent"); 8,103,719 ("the '719 patent"); 8,438,221 ("the '221 patent"); 8,438,212 ("the '212 patent"); and 9,136,954 ("the '954 patent") (collectively "the Patents-in-Suit").

A. Identification of Prior Art References

Table 1(a) – U.S. Patents

U.S. Patent No.	First Named Inventor/Abbreviation	Issue/Publication Date
5,029,290	Parsons	July 2, 1991
5,565,909	Thibadeau	Oct. 15, 1996
5,628,050	McGraw	May 6, 1997
5,875,401	Rochkind	Feb. 23, 1999
5,995,553	Crandall	Nov. 30, 1999
6,112,074	Pinder	Aug. 29, 2000
6,112,075	Weiser	Aug. 29, 2000
6,392,538	Shere	May 21, 2002
6,505,123	Root	Jan. 7, 2003
6,594,345	Vinson	July 15, 2003
6,603,405	Smith	Aug. 5, 2003
6,653,689	Kelly	Nov. 25, 2003
6,704,295	Tari	Mar. 9, 2004
6,816,878	Zimmers	Nov. 9, 2004
6,915,134	Atkin	July 5, 2005
7,053,753	Kacalek	May 30, 2006
7,054,612	Patel	May 30, 2006
7,184,744	Schnabel	Feb. 27, 2007
7,194,249	Phillips	Mar. 20, 2007
7,725,256	Marsh	May 25, 2010

U.S. Patent No.	First Named Inventor/Abbreviation	Issue/Publication Date
7,233,781	Hunter	June 19, 2007
7,299,050	Delaney	Nov. 20, 2007
7,480,501	Petite	Jan. 20, 2009
7,617,287	Vella	Nov. 11, 2009
2002/0176545	Schweitzer	Nov. 28, 2002
2002/0184346	Mani	Dec. 5, 2002
2003/0001371	Goldberg	Jan. 3, 2002
2003/0141971	Heiken	July 31, 2003
2003/0142797	Troy	July 31, 2003
2003/0143974	Navarro	July 31, 2003
2004/0103158	Vella	Mat 27, 2004

U.S. Patent No.	First Named Inventor/Abbreviation	Issue/Publication Date
2004/0193617	Adler	Sept. 30, 2004
2005/0013418	Chang	Jan. 20, 2005
2005/0037728	Binzel	Feb. 17, 2005
2005/0060339	McGee	Mar. 17, 2005
2005/0070247	Larson	Mar. 31, 2005
2005/0261012	Weiser	Nov. 24, 2005

Table 1(b) – Foreign Patents and Patent Applications

Patent/Application No.	First Named Inventor/Abbreviation	Issue/Publication Date
WO 2003077063 A2	Heelan	September 18, 2003

Table 1(c) – Prior Art Publications, Public Uses, Sales, and Offers for Sale

Description	Publication Date
R. Sandhu et al., “Access Control: Principles and Practice,” IEEE Communications Magazine, Vol. 32 No. 9, pp. 40-48.	Sept. 1994
Report and Order and Further Notice of Proposed Rule Making (FCC Report No. 94-288) (“1994FCC Report”)	Dec. 9, 1994
Parker, <i>et al.</i> , “Flood warning systems under stress in the United Kingdom,” 4.3 <i>Disaster Prevention & Management</i> 32	1995

Description	Publication Date
Wood, M. "Disaster Communications" APCO Institute, Inc.	June 1996
Imielinski & Navas, "Geographic Addressing, Routing, and Resource Discovery with the Global Positioning System," Computer Science Department, Rutgers University	Oct. 19, 1996
Imielinski & Navas, "GPS-Based Geographic Addressing, Routing, and Resource Discovery: The Global Positioning System can be used to give every terminal a geographic address for multicasting to and from recipients within specified geographical areas," 42(4) <i>Comm 'ns ACM</i>	Apr. 1999
Report of the Ministry of Interior, Finland "Information to the Public – Warning and Alarm System"	2000
Waples, "Pelmorex pitches emergency alert system," <i>Sudbury Star</i> , July 17, 2000, at A3	July 17, 2000
Working Group on National Disaster Information Systems, National Science and Technology Council, Effective Disaster Warnings	Nov. 2000
FCC Emergency Alert System AM & FM Handbook	2001
FCC Emergency Alert System TV Handbook	2001
FCC Emergency Alert System Cable Handbook	2001
Broadwell, <i>et al.</i> , "GeoMote: Geographic Multicast for Networked Sensors," Department of Computer Science, University of California, Berkeley	2001
Christensen <i>et al.</i> , "Wireless Intelligent Networking" Artech House, Inc.	2001
Coschurba & Rothermel, "A Fine-Grained Addressing Concept for GeoCast," Institute of Parallel and Distributed High-Performance Systems (IPVR), University of Stuttgart	2001
Carzaniga, <i>et al.</i> , "Design and Evaluation of a Wide-Area Event Notification System," 19(3) <i>ACM Transactions on Comp. Sys.</i> 332	Aug. 2001
Wireless Emergency Services Whitepaper, CMGWireless Data Solutions,	Nov. 2001
Kerber, "Group seeks overhaul of public-warning system upgrade urged to respond to new threats of terrorism," <i>Boston Globe</i> , Dec. 10,	Dec. 10, 2001

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