

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	4	of	94

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL31	HELCK, Christopher J., "Encapsulated Ticker: Ver 1.0," July 14, 1993, 22 pages.	
	NPL32	"High-performance schema-specific compression for XML data formats," XML-Xpress: Product Overview, Intelligent Compression Technologies, http://web.archive.org/web/20020818002535/www.ictcompress.com/products_xmlxpress , 2001, 2 pages.	
	NPL33	HSU, William H. and Amy E. Zwarico, "Automatic Synthesis of Compression Techniques for Heterogeneous Files," Software - Practice and Experience, Volume 25 (10), October 1995, pages 1097-1116.	
	NPL34	"ICT's XML-Xpress", Intelligent Compression Technologies, December, 2000, 6 pages.	
	NPL35	"Information processing systems - Data communication - High-level data link control procedures - Frame structure", UNI ISO 3309, 1984, 11 pages.	
	NPL36	Installing and Administering PPP, Edition 1, Hewlett-Packard Company, 1997, 169 pages.	
	NPL37	"Introducing XpressFiles", Intelligent Compression Technologies, http://web.archive.org/web/19980518053310/ictcompress.com/xpressfiles.html , 1998, 1 page.	
	NPL38	"Ion's RemoteScript speeds transmission", Seybold Report on Publishing Systems, Volume 22 Number 5, November 9, 1992, pages 21-23.	
	NPL39	JACOBSON, V., "Compressing TCP/IP Headers for Low-Speed Serial Links," February 1990, 45 pages.	
	NPL40	KULKOSKY, Victor, "Upping the Ante", Wall Street & Technology, Volume 11 Number 5, October 1993, pages 8-11.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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	NPL41	LIEFKE, Hartmut and Dan Suci, "An Extensible Compressor for XML Data," SIGMOD Record, Vol. 29, No. 1, March 2000, pages 57-62.	
	NPL42	LIEFKE, Hartmut and Dan Suci, "XMill: an Efficient Compressor for XML Data," 2000, pages 153-164.	
	NPL43	LIEFKE, Hartmut and Dan Suci, Xmill: an Efficient Compressor for XML Data, October 18, 1999, 25 pages.	
	NPL44	McGREGOR, Glenn, "The PPP Internet Protocol Control Protocol (IPCP)", Network Working Group Request for Comments: 1332, Obsoletes: RFC 1172, May 1992, 14 pages.	
	NPL45	Obviousness Chart for U.S. Pat. No. 6,624,761, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al. , 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, October 19, 2010, 19 pages.	
	NPL46	Obviousness Chart for U.S. Pat. No. 7,161,506, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al. , 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, October 19, 2010, 49 pages.	
	NPL47	Obviousness Chart for U.S. Pat. No. 7,400,274, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al. , 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, October 19, 2010, 41 pages.	
	NPL48	Obviousness Chart for U.S. Pat. No. 7,417,568, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al. , 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, October 19, 2010, 75 pages.	
	NPL49	Obviousness Chart for U.S. Pat. No. 7,714,747, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al. , 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, October 19, 2010, 97 pages.	
	NPL50	Open Financial Exchange Specification 2.0, Intuit Inc., Microsoft Corp., April 28, 2000, 537 pages.	

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	NPL51	RAND, Dave, "The PPP Compression Control Protocol (CCP)", Network Working Group Request for Comments: 1962, Category: Standards Track, June 1996, 9 pages.	
	NPL52	ROGERS, Amy, "Bandwidth Bargain IT hot on products that squeeze more out of the pipe", Number 673, July 21, 1997, pages 1 and 65.	
	NPL53	ROTH, Mark A. and Scott J. Van Horn, "Database Compression", SIGMOD Record, Vol. 22, No. 3, September 1993, pages 31-39.	
	NPL54	SCHMERKEN, Ivy, "Time Running Out for Old Technologies", Wall Street Computer Review, April 1990, pages 14-16, 23-24, 28, 56.	
	NPL55	"Scrolling News", Inside Market Data, February 27, 1995, 2 pages.	
	NPL56	SIMPSON, W., "PPP in HDLC-like Framing", Network Working Group Request for Comments: 1662, STD 51, Obsoletes 1549, Category: Standards Track, July 1994, 26 pages.	
	NPL57	SUCIU, Dan, Data Management on the Web, AT&T Labs, April 4, 2000, 52 slides.	
	NPL58	SUCIU, Dan, "Data Management on the Web: Abstract," University of Washington Computer Science & Engineering, April 4, 2000, 1 page.	
	NPL59	"Telekurs Buys S&P Trading Systems And Its Ticker III Feed", Inside Market Data, Vol. 4, No. 11, July 10, 1989, 1 page.	
	NPL60	"Telekurs May Debut 128 KPS Ticker By Year's End", Inside Market Data, July 18, 1994, 2 pages.	

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	NPL61	"Telekurs Now Carries All Dow Jones' News on 56-Kbps Ticker," Inside Market Data, December 20, 1993, 2 pages.	
	NPL62	"Telekurs Sells No. American Division in Mgmt. Buyout", Inside Market Data, October 23, 1995, 2 pages.	
	NPL63	"Telekurs to Launch New Int'l Feed/Internet Server", Wall Street & Technology, Volume 15, No. 1, January 1997, page 14.	
	NPL64	"The Technology Behind XpressFiles", Intelligent Compression Technologies, http://web.archive.org/web/19980518053634/ictcompress.com/technical_X.html , 1998, 1 page.	
	NPL65	TID Information: Revisions to TID Program Since the Dawn of Time!!! Version 1.0, 23 pages; TID Codes 1, 1 page; TID Codes 2, 1 page, purportedly by July 19, 1995.	
	NPL66	TypeWorld: The First and Only Newspaper for Electronic Publishing, Volume 16 Number 9, June 17, 1992, 3 pages.	
	NPL67	"XpressFiles White Paper", Intelligent Compression Technologies, 1999-2001, 3 pages.	
	NPL68	United States Provisional Patent Application No. 60/309,218, filed July 31, 2001.	
	NPL69	Telekurs Manual, January 11, 1993, 184 pages.	
	NPL70	DANSKIN, et al., "Fast Higher Bandwidth X," Dartmouth College, Hanover, NH, 1995, 8 pages.	

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	NPL71	HOFFMAN, Roy, "Data Compression in Digital Systems," Digital Multimedia Standards Series, Chapman & Hall, 1997, 426 pages.	
	NPL72	Defendants' Invalidity Contentions, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, 34 pages.	
	NPL73	Appendix A, Obviousness Chart for U.S. Patent No. 7,777,651, not dated, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, 466 pages.	
	NPL74	Appendix B, § 112 Invalidity Arguments for U.S. Pat. No. 7,777,651, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, 75 pages.	
	NPL75	Exhibit 1, Prior Art Chart for U.S. Pat. No. 7,777,651, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, 161 pages, citing Aakre et al., U.S. Patent No. 4,956,808.	
	NPL76	Exhibit 2, Prior Art Chart for U.S. Pat. No. 7,777,651, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, 206 pages, citing Albert et al., U.S. Patent No. 5,907,801.	
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	NPL77	Exhibit 3, Prior Art Chart for U.S. Pat. No. 7,777,651, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, 95 pages, citing B. Andrews, P. Chou, M. Effros and R. Gray "A Mean-Removed Variation of Weighted Universal Vector Quantization for Image Coding," IEEE 0-8186-3392-1/93, 302-309 (1993).	
	NPL78	Exhibit 4, Prior Art Chart for U.S. Pat. No. 7,777,651, 144 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Barnes et al., U.S. Patent No. 6,792,151.	
	NPL79	Exhibit 5, Prior Art Chart for U.S. Pat. No. 7,777,651, 216 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Birdwell et al., U.S. Patent No. 6,032,197.	
	NPL80	Exhibit 6, Prior Art Chart for U.S. Pat. No. 7,777,651, 257 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Bledsoe, U.S. Patent No. 4,646,061.	
	NPL81	Exhibit 7, Prior Art Chart for U.S. Pat. No. 7,777,651, 169 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Brickman et al., U.S. Patent No. 4,499,499.	
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	NPL82	Exhibit 8, Prior Art Chart for U.S. Pat. No. 7,777,651, 396 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing C. Bormann et al., "Robust Header Compression (ROHC)," Network Working Group Internet-Draft Sept. 18, 2000.	
	NPL83	Exhibit 9, Prior Art Chart for U.S. Pat. No. 7,777,651, 253 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Carr, U.S. Patent No. 5,293,379.	
	NPL84	Exhibit 10, Prior Art Chart for U.S. Pat. No. 7,777,651, 205 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Cellier et al., U.S. Patent No. 5,884,269.	
	NPL85	Exhibit 11, Prior Art Chart for U.S. Pat. No. 7,777,651, 181 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Chu, U.S. Patent Nos. 5,374,916 & 5,467,087.	
	NPL86	Exhibit 12, Prior Art Chart for U.S. Pat. No. 7,777,651, 175 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Cisco IOS Data Compression White Paper (Cisco Systems Inc., 1997).	

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Comcast - Exhibit 1002, page 335

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	11	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL87	Exhibit 13, Prior Art Chart for U.S. Pat. No. 7,777,651, 590 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Comstock - S&P ComStock Developers Guides (McGraw-Hill, 1994); Rich Barton, "S&P ComStock Network Character Set Definition" (February 10, 1995).	
	NPL88	Exhibit 14, Prior Art Chart for U.S. Pat. No. 7,777,651, 186 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing D.J. Craft, "A fast hardware data compression algorithm and some algorithmic extensions," IBM J. Res. Develop. Vol. 42, No. 6 (November 1998).	
	NPL89	Exhibit 15, Prior Art Chart for U.S. Pat. No. 7,777,651, 142 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Deering, U.S. Patent No. 6,459,429.	
	NPL90	Exhibit 16, Prior Art Chart for U.S. Pat. No. 7,777,651, 284 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Dye et al., U.S. Patent No. 7,190,284 and International Publication No. WO 00/45516.	
	NPL91	Exhibit 17, Prior Art Chart for U.S. Pat. No. 7,777,651, 269 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Earl et al., U.S. Patent No. 5,341,440.	

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				Examiner Name	BOCURE, Tesfaldet
Sheet	12	of	94	Attorney Docket Number	2855.0050007

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL92	Exhibit 18, Prior Art Chart for U.S. Pat. No. 7,777,651, 132 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Eastman et al., U.S. Patent No. 4,464,650.	
	NPL93	Exhibit 19, Prior Art Chart for U.S. Pat. No. 7,777,651, 125 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Elgamal et al., U.S. Patent No. 5,410,671.	
	NPL94	Exhibit 20, Prior Art Chart for U.S. Pat. No. 7,777,651, 122 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Enari et al., EP 0493103.	
	NPL95	Exhibit 21, Prior Art Chart for U.S. Pat. No. 7,777,651, 379 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Fascenda, U.S. Patent No. 5,045,848.	
	NPL96	Exhibit 22, Prior Art Chart for U.S. Pat. No. 7,777,651, 218 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Frachtenberg et al., U.S. Patent. Pub. 2003/0030575.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Comcast - Exhibit 1002, page 337

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	13	of	94	Attorney Docket Number	2855.0050007

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	NPL97	Exhibit 23, Prior Art Chart for U.S. Pat. No. 7,777,651, 247 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Franaszek et al., U. S. Patent No. 5,870,036.	
	NPL98	Exhibit 24, Prior Art Chart for U.S. Pat. No. 7,777,651, 327 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing French et al., U.S. Patent No. 5,794,229.	
	NPL99	Exhibit 25, Prior Art Chart for U.S. Pat. No. 7,777,651, 225 pages, Exhibit 24, Prior Art Chart for U.S. Pat. No. 7,777,651, 327 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Geiger et al., U.S. Patent No. 5,987,022.	
	NPL100	Exhibit 26, Prior Art Chart for U.S. Pat. No. 7,777,651, 219 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Gentile, U.S. Patent No. 5,504,842.	
	NPL101	Exhibit 27, Prior Art Chart for U.S. Pat. No. 7,777,651, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, 167 pages, citing Giltner et al., U.S. Patent No. 4,386,416.	

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Comcast - Exhibit 1002, page 338

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	14	of	94	Attorney Docket Number	2855.0050007

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL102	Exhibit 28, Prior Art Chart for U.S. Pat. No. 7,777,651, 156 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Gooch, U.S. Patent No. 4,325,085.	
	NPL103	Exhibit 29, Prior Art Chart for U.S. Pat. No. 7,777,651, 132 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Hauck, U.S. Patent No. 4,626,829.	
	NPL104	Exhibit 30, Prior Art Chart for U.S. Pat. No. 7,777,651, 161 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Heath, U.S. Patent No. 5,955,976.	
	NPL105	Exhibit 31, Prior Art Chart for U.S. Pat. No. 7,777,651, 359 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Hewlett-Packard Company, "Installing and Administering PPP," B2355-90137, HP 9000 Networking, E0948 (1st Ed. 1997).	
	NPL106	Exhibit 32, Prior Art Chart for U.S. Pat. No. 7,777,651, 229 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Hsu & Zwarico, Automatic Synthesis of Compression Techniques for Heterogeneous Files, Software-Practice & Experience, vol. 25(10), pp.1097-1116 (October 1995).	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Sheet	15	of	94	Attorney Docket Number	2855.0050007

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	NPL107	Exhibit 33, Prior Art Chart for U.S. Pat. No. 7,777,651, 206 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing ICT XML-Xpress White Paper (Intelligent Compression Technologies Inc., 2000) & website.	
	NPL108	Exhibit 34, Prior Art Chart for U.S. Pat. No. 7,777,651, 138 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing ICT XpressFiles White Paper (Intelligent Compression Technologies Inc., 1999) & website.	
	NPL109	Exhibit 35, Prior Art Chart for U.S. Pat. No. 7,777,651, 128 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Iseda et al., E.P. 0405572 A2.	
	NPL110	Exhibit 36, Prior Art Chart for U.S. Pat. No. 7,777,651, 205 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing J. Danskin. "Compressing the X Graphics Protocol," Princeton University (Jan. 1995).	
	NPL111	Exhibit 37, Prior Art Chart for U.S. Pat. No. 7,777,651, 159 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Kalkstein, U.S. Patent No. 5,945,933.	

Examiner Signature	/Tesfaldet BOCURE/	Date Considered	02/22/2014
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Comcast - Exhibit 1002, page 340

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	16	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL112	Exhibit 38, Prior Art Chart for U.S. Pat. No. 7,777,651, 402 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Kari, U.S. Patent No. 6,434,168; International Publication No. WO97/48212 A1.	
	NPL113	Exhibit 39, Prior Art Chart for U.S. Pat. No. 7,777,651, 209 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Koopmas et al., U.S. Patent No. 7,024,460.	
	NPL114	Exhibit 40, Prior Art Chart for U.S. Pat. No. 7,777,651, 214 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Kopf, U.S. Patent No. 5,825,830.	
	NPL115	Exhibit 41, Prior Art Chart for U.S. Pat. No. 7,777,651, 281 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Kopf, U.S. Patent No. 5,825,830.	
	NPL116	Exhibit 42, Prior Art Chart for U.S. Pat. No. 7,777,651, 340 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Lane et al., U.S. Patent No. 5,521,940.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Comcast - Exhibit 1002, page 341

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	17	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²	
	NPL117	Exhibit 43, Prior Art Chart for U.S. Pat. No. 7,777,651, 164 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Langdon, Jr. et al., U.S. Patent No. 4,494,108.		
	NPL118	Exhibit 44, Prior Art Chart for U.S. Pat. No. 7,777,651, 211 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Lavallee, U.S. Patent No. 6,215,904.		
	NPL119	Exhibit 45, Prior Art Chart for U.S. Pat. No. 7,777,651, 103 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing M. Effros, P. Chou & R.M. Gray. "Variable Dimension Weighted Universal Vector Quantization and Noiseless Coding," IEEE 1068-0314/94 (1994).		
	NPL120	Exhibit 46, Prior Art Chart for U.S. Pat. No. 7,777,651, 414 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing MacCrisken, U.S. Patent No. 4,730,348.		
	NPL121	Exhibit 47, Prior Art Chart for U.S. Pat. No. 7,777,651, 319 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Madany et al., U.S. Patent No. 5,774,715.		
Examiner Signature	/Tesfaldet Bocure/		Date Considered	02/22/2014

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Comcast - Exhibit 1002, page 342

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	18	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²	
	NPL122	Exhibit 48, Prior Art Chart for U.S. Pat. No. 7,777,651, 228 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Mark A. Roth and Scott J. Van Horn, "Database Compression" SIGMOD Record, Vol. 22, No. 3 (1993).		
	NPL123	Exhibit 49, Prior Art Chart for U.S. Pat. No. 7,777,651, 235 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Miller et al., U.S. Patent No. 4,814,746.		
	NPL124	Exhibit 50, Prior Art Chart for U.S. Pat. No. 7,777,651, 172 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing O'Brien et al., U.S. Patent No. 4,929,946.		
	NPL125	Exhibit 51, Prior Art Chart for U.S. Pat. No. 7,777,651, 30 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Osler et al., U.S. Patent No. 6,768,749.		
	NPL126	Exhibit 52, Prior Art Chart for U.S. Pat. No. 7,777,651, 103 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing P. G. Howard, F. Kossenti, S. Forchammer, and W. J. Rucklidge [1998]. "The Emerging JBIG2 Standard", IEEE Transactions On Circuits And Systems For Video Technology 8:7, 838-848.		
Examiner Signature	/Tefaldet Bocure/		Date Considered	02/22/2014

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Comcast - Exhibit 1002, page 343

Substitute for form 1449/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	14/033,245	
			Filing Date	September 20, 2013	
			First Named Inventor	James J. FALLON	
			Art Unit	2634	
			Examiner Name	BOCURE, Tesfaldet	
Sheet	19	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL127	Exhibit 53, Prior Art Chart for U.S. Pat. No. 7,777,651, 218 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Panaoussis, U.S. Patent No. 5,949,355.	
	NPL128	Exhibit 54, Prior Art Chart for U.S. Pat. No. 7,777,651, 335 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Payne et al, U.S. Patent No. 6,021,433.	
	NPL129	Exhibit 55, Prior Art Chart for U.S. Pat. No. 7,777,651, 273 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Reynar et al, U. S. Patent No. 5,951,623.	
	NPL130	Exhibit 56, Prior Art Chart for U.S. Pat. No. 7,777,651, 399 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing RFC 1144: V. Jacobson, "Compressing TCP/IP Headers for Low-Speed Serial Links," Network Working Group, Request for Comments: 1144 (February 1990).	
	NPL131	Exhibit 57, Prior Art Chart for U.S. Pat. No. 7,777,651, 103 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing RFC 1661: Point-to-Point Protocol Working Group, "The Point-to-Point Protocol," RFC 1661 (William Simpson ed., Internet Engineering Task Force 1994); RFC 1662: Point-to-Point Protocol Working Group, "PPP in HDLC-like Framing," RFC 1662 (William Simpson ed., Internet Engineering Task Force 1994); RFC 1962: Dave Rand, "The PPP compression Control Protocol (CCP)," RFC 1962 (Internet Engineering Task Force 1996); RFC 1332: Glenn McGregor, "The PPP Internet Protocol Control Protocol (IPCP)," RFC 1332 (Internet Engineering Task Force 1992); RFC 2509: Mathias Engan et al., "IP Header Compression over IP," RFC 2509 (Internet Society 1999).	
Examiner Signature	/Tefaldet Bocure/		Date Considered 02/22/2014

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Comcast - Exhibit 1002, page 344

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
Sheet	20	of	94
		Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL132	Exhibit 58, Prior Art Chart for U.S. Pat. No. 7,777,651, 218 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing RFC 2507: Mikael Degermark et al., "IP Header Compression," RFC 2507 (Internet Society 1999).	
	NPL133	Exhibit 59, Prior Art Chart for U.S. Pat. No. 7,777,651, 335 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Roper et al., U.S. Patent No. 5,454,079.	
	NPL134	Exhibit 60, Prior Art Chart for U.S. Pat. No. 7,777,651, 273 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Sebastian, U.S. Patent No. 6,253,264 and International Publication No. WO/1998/039699.	
	NPL135	Exhibit 61, Prior Art Chart for U.S. Pat. No. 7,777,651, 399 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Seroussi et al., U.S. Patent No. 5,243,341.	
	NPL136	Exhibit 62, Prior Art Chart for U.S. Pat. No. 7,777,651, 322 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Seroussi et al., U.S. Patent No. 5,389,922.	

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Comcast - Exhibit 1002, page 345

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	21	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL137	Exhibit 63, Prior Art Chart for U.S. Pat. No. 7,777,651, 102 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Shin, U.S. Patent No. 5,455,680.	
	NPL138	Exhibit 64, Prior Art Chart for U.S. Pat. No. 7,777,651, 126 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Taaffe et al., U.S. Patent No. 5,179,651.	
	NPL139	Exhibit 65, Prior Art Chart for U.S. Pat. No. 7,777,651, 313 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Telekurs Ticker - "Telekurs Ticker Service: Programmer's Reference," Telekurs (North America), Inc. (January 11, 1993); C. Helck. "Encapsulated Ticker: Ver. 1.0," Telekurs NA, 1-22 (July 14, 1993); A-T FINANCIAL OFFERS MANIPULATION, REDISTRIBUTION OF TICKER III, Micro Ticker Report, v 4, n 14 (Sept 5, 1989); V. Kulkosky, "Upping the Ante" Wall Street & Technology, v11 n5 pp: 8-11 (Oct 1993); "Telekurs to Launch New Int'l Feed/Internet Server," Wall Street & Technology, v15 n1 pp: 14 (Jan 1997); I. Schmerken, "Time running out for old technologies", Wall Street Computer Review, v7 n7 p14(7) (April, 1990); SCROLLING NEWS, Inside Market Data, v 10, n 11 (Feb 27, 1995); TELEKURS BUYS S&P TRADING SYSTEMS AND ITS TICKER III FEED, Micro Ticker Report, v 4, n 11 (July 10, 1989); TELEKURS MAY DEBUT 128 KPS TICKER BY YEAR'S END, Inside Market Data, v 9, n 21 (July 18, 1994); TELEKURS NOW CARRIES ALL DOW JONES' NEWS ON 56-KBPS TICKER, Inside Market Data, v9, n7 (Dec 20, 1993); TELEKURS SELLS NO. AMERICAN DIVISION IN MGMT. BUYOUT, Inside Market Data, v11, n3 (Oct 23, 1995).	
	NPL140	Exhibit 66, Prior Art Chart for U.S. Pat. No. 7,777,651, 265 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Tyler et al., U.S. Patent No. 5,638,498.	

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Comcast - Exhibit 1002, page 346

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	22	of	94	Attorney Docket Number	2855.0050007

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL141	Exhibit 67, Prior Art Chart for U.S. Pat. No. 7,777,651, 86 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing UNI International Standard ISO 3309-1984 (F) [1984]. "Information Processing Systems -- Data Communication -- High-level Data Link Control Procedures --Frame Structure," 1-6 (1984).	
	NPL142	Exhibit 68, Prior Art Chart for U.S. Pat. No. 7,777,651, 236 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Unwired Planet, EP 0928070 A2.	
	NPL143	Exhibit 69, Prior Art Chart for U.S. Pat. No. 7,777,651, 80 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Vange et al., U.S. Patent No. 7,127,518.	
	NPL144	Exhibit 70, Prior Art Chart for U.S. Pat. No. 7,777,651, 197 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Wernikoff et al., U.S. Patent No. 3,394,352.	
	NPL145	Exhibit 71, Prior Art Chart for U.S. Pat. No. 7,777,651, 253 pages, Exhibit 70, Prior Art Chart for U.S. Pat. No. 7,777,651, 197 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing Willis et al., U.S. Patent No. 4,745,559; Boilen, U.S. Patent No. 4,750,135.	

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Comcast - Exhibit 1002, page 347

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	23	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL146	Exhibit 72, Prior Art Chart for U.S. Pat. No. 7,777,651, 277 pages, Exhibit 71, Prior Art Chart for U.S. Pat. No. 7,777,651, 253 pages, Exhibit 70, Prior Art Chart for U.S. Pat. No. 7,777,651, 197 pages, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al., 6:09-cv-326-LED-JDL, 6:10-cv-248-LED-JDL, 6:10-cv-426-LED-JDL, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al., 6:09-cv-327-LED-JDL, 6:10-cv-246-LED-JDL, 6:10-cv-424-LED-JDL, Realtime Data, LLC D/B/A IXO v. Thomson Reuters Corp., et al., 6:09-cv-333-LED-JDL, 6:10-cv-247-LED-JDL, 6:10-cv-425-LED-JDL, United States District Court for the Eastern District of Texas Tyler Division, February 4, 2011, citing XMill - Hartmut Liefke & Dan Suci, "XMill: an Efficient Compressor for XML Data," University of Pennsylvania, Philadelphia, Pennsylvania, MS-CIS-99-26 (October 18, 1999); Hartmut Liefke & Dan Suci, "XMill: an Efficient Compressor for XML Data," Proceedings of SIGMOD, 2000; Hartmut Liefke & Dan Suci, "An Extensible Compressor for XML Data," SIGMOD Record, Vol. 29, No. 1 (March 2000); Dan Suci, "Data Management on the Web," Presentation at University of Washington College of Computer Science & Engineering, Seattle, WA (April 4, 2000).	
	NPL147	BORMANN et al., "Robust Header Compression (ROHC)," Network Working Group Internet-Draft, September 18, 2000, 111 pages.	
	NPL148	EFFROS, M., P.A. CHOU and R.M. GRAY, "Variable Dimension Weighted Universal Vector Quantization and Noiseless Coding," IEEE 1068-0314/94, 1994, pages 2-11.	
	NPL149	Defendant Bloomberg L.P.'s Invalidity Contentions Pursuant to Patent Local Rule 3-3, Realtime Data, LLC d/b/a IXO vs. Thomson Reuters Corp., et al., 6:2009-cv-00333 LED-JDL, 6:2010-cv-00247 LED-JDL, 6:2010-cv-00425 LED-JDL, October 29, 2010, 17 pages.	
	NPL150	Appendix A: U.S. Patent No. 6,624,761 (The "761 Patent"), from Defendant Bloomberg L.P.'s Invalidity Contentions Pursuant to Patent Local Rule 3-3, Realtime Data, LLC d/b/a IXO vs. Thomson Reuters Corp., et al., 6:2009-cv-00333 LED-JDL, 6:2010-cv-00247 LED-JDL, 6:2010-cv-00425 LED-JDL, October 29, 2010, 37 pages.	
	NPL151	Appendix B: U.S. Patent No. 7,161,506 (The "506 Patent"), from Defendant Bloomberg L.P.'s Invalidity Contentions Pursuant to Patent Local Rule 3-3, Realtime Data, LLC d/b/a IXO vs. Thomson Reuters Corp., et al., 6:2009-cv-00333 LED-JDL, 6:2010-cv-00247 LED-JDL, 6:2010-cv-00425 LED-JDL, October 29, 2010, 63 pages.	
	NPL152	Appendix C: U.S. Patent No. 7,400,274 (The 274 Patent), from Defendant Bloomberg L.P.'s Invalidity Contentions Pursuant to Patent Local Rule 3-3, Realtime Data, LLC d/b/a IXO vs. Thomson Reuters Corp., et al., 6:2009-cv-00333 LED-JDL, 6:2010-cv-00247 LED-JDL, 6:2010-cv-00425 LED-JDL, October 29, 2010, 95 pages.	

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Comcast - Exhibit 1002, page 348

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	24	of	94	Attorney Docket Number	2855.0050007

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL153	Appendix D: U.S. Patent No. 7,417,568 (The 568 Patent), from Defendant Bloomberg L.P.'s Invalidation Contentions Pursuant to Patent Local Rule 3-3, Realtime Data, LLC d/b/a IXO vs. Thomson Reuters Corp., et al., 6:2009-cv-00333 LED-JDL, 6:2010-cv-00247 LED-JDL, 6:2010-cv-00425 LED-JDL, October 29, 2010, 147 pages.	
	NPL154	Appendix E: U.S. Patent No. 7,714,747 (The "747 Patent"), from Defendant Bloomberg L.P.'s Invalidation Contentions Pursuant to Patent Local Rule 3-3, Realtime Data, LLC d/b/a IXO vs. Thomson Reuters Corp., et al., 6:2009-cv-00333 LED-JDL, 6:2010-cv-00247 LED-JDL, 6:2010-cv-00425 LED-JDL, October 29, 2010, 137 pages.	
	NPL155	Appendix F: Comparison of FAST to the Prior Art, from Defendant Bloomberg L.P.'s Invalidation Contentions Pursuant to Patent Local Rule 3-3, Realtime Data, LLC d/b/a IXO vs. Thomson Reuters Corp., et al., 6:2009-cv-00333 LED-JDL, 6:2010-cv-00247 LED-JDL, 6: 2010-cv-00425 LED-JDL, October 29, 2010, 7 pages.	
	NPL156	Defendant Bloomberg L.P.'s Invalidation Contentions Pursuant to Patent Local Rule 3-3 Regarding U.S. Patent No. 7,777,651, Realtime Data, LLC d/b/a IXO vs. Thomson Reuters Corp., et al., 6:2009-cv-00333 LED-JDL, 6:2010-cv-00247 LED-JDL, 6:2010-cv-00425 LED-JDL, February 4, 2011, 21 pages.	
	NPL157	Appendix G: U.S. Patent No. 7,777,651 (The 651 Patent), Defendant Bloomberg L.P.'s Invalidation Contentions Pursuant to Patent Local Rule 3-3 Regarding U.S. Patent No. 7,777,651, Realtime Data, LLC d/b/a IXO vs. Thomson Reuters Corp., et al., 6:2009-cv-00333 LED-JDL, 6:2010-cv-00247 LED-JDL, 6:2010-cv-00425 LED-JDL, February 4, 2011, 480 pages.	
	NPL158	RICE, ROBERT F., "Some Practical Universal Noiseless Coding Techniques", Jet Propulsion Laboratory, Pasadena, California, JPL Publication 79-22, March 15, 1979; 140 pgs.	
	NPL159	ANDERSON, J., et al. "Codec squeezes color teleconferencing through digital telephone lines," Electronics 1984, pp. 13-15.	
	NPL160	VENBRUX, JACK, "A VLSI Chip Set for High-Speed Lossless Data Compression", IEEE Trans. On Circuits and Systems for Video Technology, Vol. 2, No. 4, December 1992, pp. 381-391.	
	NPL161	"Fast Dos Soft Boot", IBM Technical Disclosure Bulletin, Feb. 1994, Vol. 37, Issue No. 2B, pp. 185-186.	
	NPL162	"Operating System Platform Abstraction Method", IBM Technical Disclosure Bulletin, Feb. 1995, Vol. 38, Issue No. 2, pp 343-344.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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	NPL163	MURASHITA, K., et al., "High-Speed Statistical Compression using Self-Organized Rules and Predetermined Code Tables", IEEE, 1996 Data Compression Conference.	
	NPL164	COENE, W., et al. "A Fast Route For Application of Rate-distortion Optimal Quantization in an MPEG Video Encoder" Proceedings of the International Conference on Image Processing, US., New York, IEEE, 16 September 1996, pp. 825-828.	
	NPL165	RICE, ROBERT, "Lossless Coding Standards for Space Data Systems", IEEE 1058-6393 197, Nov. 3-6, 1996, pp. 577-585.	
	NPL166	MILLMAN, HOWARD, "Image and video compression", Computerworld, Vol. 33, Issue No. 3, January 18, 1999, pp. 78.	
	NPL167	"IBM boosts your memory", Geek.com [online], June 26, 2000 [retrieved on July 6, 2007, www.gcck.com/ibm-boosts-your-memory/, 7 pages.	
	NPL168	"IBM Research Breakthrough Doubles Computer Memory Capacity", IBM Press Release [online], June 26, 2000 [retrieved on July 6, 2007, www-03.ibm.com/press/us/en/pressrelease/1653.wss, 3 pages.	
	NPL169	"ServerWorks To Deliver IBM's Memory expansion Technology in Next-Generation Core Logic for Servers", ServerWorks Press Release [online], June 27, 2000 [retrieved on July 14, 2000, http://www.serverworks.com/news/press/000627.html, 1 page.	
	NPL170	ABALI, B., et al., "Memory Expansion Technology (MXT) Software support and performance", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 287-301.	
	NPL171	FRANASZEK, P. A., et al., "Algorithms and data structures for compressed-memory machines", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 245-258.	
	NPL172	FRANASZEK, P. A., et al., "On internal organization in compressed random-access memories", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 259-270.	

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Substitute for form 1449/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	14/033,245
			Filing Date	September 20, 2013
			First Named Inventor	James J. FALLON
			Art Unit	2634
			Examiner Name	BOCURE, Tesfaldet
			Attorney Docket Number	2855.0050007
Sheet	26	of	94	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL173	SMITH, T.B., et al., "Memory Expansion Technology (MXT) Competitive impact", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 303-309.	
	NPL174	TREMAINE, R. B., et al., "IBM Memory Expansion Technology (MXT)", IBM Journal of Research and Development, Vol. 45, Issue No. 2, March 2001, pp. 271-285.	
	NPL175	YEH, PEN-SHU, "The CCSDS Lossless Data Compression Recommendation for Space Applications", Chapter 16, Lossless Compression Handbook, Elsevier Science (USA), 2003, PP. 311-326.	
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	NPL177	Tridgell, Andrew; "Efficient Algorithms for Sorting and Synchronization"; A thesis submitted for the degree of Doctor of Philosophy at The Australian National University; February 1999; pages iii-106	
	NPL178	Jung, et al.; "Performance optimization of wireless local area networks through VLSI data compression"; Wireless Networks, Volume 4, 1998; pages 27-39.	
	NPL179	Baker, K. et al., "Lossless Data Compression for Short Duration 3D Frames in Positron Emission Tomography," 0-7803-1487, May 1994, pages 1831-1834.	
	NPL180	Maier, Mark W.; "Algorithm Evaluation for the Synchronous Data Compression Standard"; University of Alabama: 1995, pages 1-10.	
	NPL181	Bassiouni, et al.; "A Scheme for Data Compression in Supercomputers"; IEEE; 1988; pages 272-278.	
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	NPL183	ALDC: Adaptive Lossless Data Compression; IBM; 1994, 2 pgs.	
	NPL184	ALDC-Macro: Adaptive Lossless Data Compression; IBM Corporation; 1994, 2 pgs.	
	NPL185	ALDC1-20S: Adaptive Lossless Data Compression; IBM Corporation; 1994, 2 pgs.	
	NPL186	ALDC1-40S: Adaptive Lossless Data Compression; IBM Corporation; 1994, 2 pgs.	
	NPL187	ALDC1-5S: Adaptive Lossless Data Compression; IBM Corporation; 1994, 2 pgs.	
	NPL188	Craft, David J.; "Data Compression Choice No Easy Call"; Computer Technology Review; Volume XIV, Number 1; January 1994, 2 pgs.	
	NPL189	Costlow, Terry; "Sony designs faster, denser tape drive"; Electronic Engineering Times; May 20, 1996, pages 86-87.	
	NPL190	Wilson, Ron; "IBM ups compression ante"; Electronic Engineering Times; August 16, 1993; pages 1-94.	
	NPL191	"IBM Announces New Feature for 3480 Subsystem"; Tucson Today; Volume 12, Number 337, July 25, 1989, 1 pg.	
	NPL192	Syngress Media, Inc.; "CCA Citrix Certified Administrator for MetaFrame 1.8 Study Guide"; 2000, 568 pgs.	

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	NPL193	International Telecommunication Union; "Data Compression Procedures for Data Circuit Terminating Equipment (DCE) Using Error Correction Procedures"; Geneva, 1990, 29 pgs.	
	NPL194	Cheng, et al.; "A fast, highly reliable data compression chip and algorithm for storage systems"; IBM J. Res. Develop.; Vol. 40, No. 6, November 1996; pages 603-613.	
	NPL195	Cisco Systems; "Cisco IOS Data Compression"; 1997; pages 1-10.	
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	NPL198	White Pine Software; "CU-SeeMe Pro: Quick Start Guide"; Version 4.0 for Windows; 1999, 86 pgs.	
	NPL199	"CU-SeeMe Reflector"; www.geektimes.com/michael/CU-SeeMe/faqs/reflectors.html; accessed on December 2, 2008, 5 pgs.	
	NPL200	Daniels, et al.; "Citrix WinFrame 1.6 Beta"; May 1 1996; license.icopyright.net/user/downloadLicense.act?lic=3.7009-9123; accessed December 2, 2008, 4 pgs.	
	NPL201	Held, et al.; "Data Compression"; Third Edition; John Wiley & Sons Ltd.; 1991, 150 pgs.	
	NPL202	Data Compression Applications and Innovations Workshop; Proceedings of a Workshop held in Conjunction with the IEEE Data Compression Conference; Snowbird, Utah; March 31, 1995, 64 pgs.	

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	NPL203	Britton, et al.; "Discovery Desktop Conferencing with NetMeeting 2.0"; IDG Books Worldwide, inc.; 1997, 244 pgs.	
	NPL204	Sattler, Michael; "Internet TV with CU-SeeMe"; Sams.Net Publishing; 1995; First Edition, 80 pgs.	
	NPL205	IBM Microelectronics Comdex Fall '93 Booth Location, 1 pg.	
	NPL206	Disz, et al.; "Performance Model of the Argonne Voyager Multimedia Server"; IEEE; 1997; pages 316-327.	
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				Filing Date	September 20, 2013
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	NPL213	Howard, et al.; "The Emerging JBIG2 Standard"; IEEE Transactions on Circuits and Systems for Video Technology, Vol. 8, No. 7, November 1998; pages 838-848.	
	NPL214	Craft, D. J.; "A fast hardware data compression algorithm and some algorithmic extensions"; Journal of Research and Development; Vol. 42, No. 6, November 1998; pages 733-745.	
	NPL215	"Direct Access Storage Device Compression and Decompression Data Flow"; IBM Technical Disclosure Bulletin; Vol. 38, No. 11; November 1995; pages 291-295.	
	NPL216	ICA Timeline, September 24, 2007, 3 pgs.	
	NPL217	Converse, et al.; "Low Bandwidth X Extension"; Protocol Version 1 .0; X Consortium; December 21, 1996, 55 pgs.	
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	NPL221	Overview NetMeeting 2.1; Microsoft TechNet; technet.microsoft.com/en-us/library/cc767141 (printer).aspx; accessed December 2, 2008; 7 pgs.	
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	NPL223	Conferencing Standards: NetMeeting 2.1 Resource Kit: Microsoft TechNet; technet.microsoft.com/--us/library/cc767150(printer).aspx; accessed December 2, 2008, 14 pgs.	
	NPL224	Summers, Bob; "Official Microsoft NetMeeting Book," Microsoft Press, 1998, 374 pgs.	
	NPL225	Zebrosch, Kathrine L.; "Integrating Hardware Accelerators into Internetworking Switches"; Telco Systems, 1995, 10 pages.	
	NPL226	Simpson, et al.; "A Multiple Processor Approach to Data Compression"; ACM; 1998; pages 641-649, 9 pgs.	
	NPL227	"IBM Technology Products Introduces New Family of High-Performance Data Compression Products"; IBM; August 16, 1993, 6 pgs.	
	NPL228	ReadMe; PowerQuest Drive Image Pro; Version 3.00; 1994-1999; PowerQuest Corporation; page 1-6.	
	NPL229	Schulzrinne, et al., "RTP Profile for Audio and Video Conferences with Minimal Control," January 1996, www.ietf.org/rfc/rfc1890.txt, accessed on December 3, 2008; 17 pgs.	
	NPL230	Zhu, C., "RTP Payload Format for H.263 Video Streams," Standards Track, September 1997, pages 1-12.	
	NPL231	Simpson, W., "The Point-To-Point Protocol (PPP)," Standards Track, July 1994, pages i-52.	
	NPL232	Reynolds, et al., "Assigned Numbers," Standards Track, October 1994, pages 1-230.	

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Comcast - Exhibit 1002, page 356

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	NPL233	Deutsch, et al., "ZLIB Compressed Data Format Specification version 3.3," Informational, May 1996, pages 1-10.	
	NPL234	Deutsch, P., "DEFLATE Compressed Data Format Specification version 1.3," Informational, May 1996, pages 1-15.	
	NPL235	Rand, D., "The PPP Compression Control Protocol (CCP)," Standards Track, June 1996, pages 1-9.	
	NPL236	Schneider, et al., "PPP LZS-DCP Compression Protocol (LZS-DCP)," Informational, August 1996, pages 1-18.	
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	NPL238	Schneider, et al., "PPP for Data Compression in Data Circuit-Terminating Equipment (DCE)," Informational, August 1996, pages 1-10.	
	NPL239	Atkins, et al., "PGP Message Exchange Formats," Informational, August 1996, pages 1-21.	
	NPL240	Castineyra, et al., "The Nimrod Routing Architecture," Informational, August 1996, pages 1-27.	
	NPL241	Freed, et al., "Multipurpose Internet Mail Extensions (MIME) Part Four: Registration Procedures," Best Current Practice, November 1996, pages 1-21.	
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	NPL243	Sidewinder 50 Product Manual, Seagate Technology, Inc., 1997, 189 pgs.	
	NPL244	IBM RAMAC Virtual Array, IBM, July 1997, 490 pgs.	
	NPL245	Bruni, et al., "DB2 for OS/390 and Data Compression" IBM Corporation, November 1998, 172 pgs.	
	NPL246	Smith, Mark, "Thin Client/Server Computing Works," WindowsITPro, November 1, 1998, pages 1-13, license.icopyright.net/user/downloadLicense.act?lic=3.7009-8355, accessed December 2, 2008.	
	NPL247	International Telecommunication Union, "Information Technology - Digital Compression and Coding of Continuous-Tone Still Images-Requirements and Guidelines," 1993, 186 pgs.	
	NPL248	International Telecommunications Union, "Information technology - Lossless and near-lossless compression of continuous-tone still images - Baseline," 1999, 75 pgs.	
	NPL249	Davis, Andrew W., "The Video Answering Machine: Intel Proshare's Next Step," Advanced Imaging, Vol. 12, No. 3, March 1997, pages 28, 30.	
	NPL250	Abbott, III, Walter D., "A Simple, Low Overhead Data Compression Algorithm for Converting Lossy Compression Processes to Lossless," Naval Postgraduate School Thesis; December 1993, 93 pgs.	
	NPL251	Thomborson, Clark, "V.42bis and Other Ziv-Lemoel Variants," IEEE, 1991, page 460.	
	NPL252	Thomborson, Clark, "The V.42bis Standard for Data-Compressing Modems," IEEE, October 1992, pages 41-53.	

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	NPL253	Sun, Andrew, "Using and Managing PPP," O'Reilly & Associates, Inc., 1999, 89 pgs.	
	NPL254	"What is the V42bis Standard?," www.faqs.org/faqs/compression-faq/part1/section-10.html, accessed on December 2, 2008, 2 pgs.	
	NPL255	"The WSDC Download Guide: Drive Image Professional for DOS, OS/2, and Windows," wsdc01 .watson.ibm.com/WSDC.nsf/Guides/Download/Applications-DriveImage.htm, Accessed November 22, 1999, 4 pgs.	
	NPL256	"The WSDC Download Guide: Drive Image Professional," wsdc01.watson.ibm.com/wsdc.nsf/Guides/Download/Applications-DriveImage.htm, accessed on May 3, 2001, 5 pgs.	
	NPL257	APPNOTE-TXT from pkware.txt, Version 6.3.2, PKWARE Inc., 1989, 52 pgs.	
	NPL258	CU-SeeMe readme.txt, December 2, 1995, 9 pgs.	
	NPL259	CU-seeme txt from indstate.txt, README.TXT for CU-SeeMe version 0.90bl, March 23, 1997, 5 pgs.	
	NPL260	Cuseeme txt 19960221 .txt; CUSEEME.TXT, February 21, 1996, 9 pgs.	
	NPL261	Citrix Technology Guide, 1997, 413 pgs.	
	NPL262	Lettieri, et al., "Data Compression in the V.42bis Modems," 1992, pages 398-403.	

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	NPL263	High Performance x2/V.34+N.42bis 56K BPS Plug & Play External Voice/FAX/Data Modem User's Manual, 1997, 27 pgs.	
	NPL264	H.323 Protocols Suite, www.protocols.com/pbook~h323.htm, 26 pages (referenced in Expert Report of Dr. James A. Storer on Invalidity filed on behalf of some of the defendants, filed in Realtime Data, LLC d/b/a IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED, U.S. District Court for the Eastern District of Texas, June 10, 2009, and indicated as being last accessed in 2008, see e.g., Exhibit E, page 12).	
	NPL265	LBX X Consortium Algorithms; rzd docs.uni-hoehnhcim.de/aix~4.33/cxt~doc/usr/sharc/man/info/cn~US/a~doc~lib/.x."!;1 X I 1 R 6 Technical Specifications, December 1996, 3 pgs.	
	NPL266	Basics of Images; www.geom.uiuc.edu/events/courses/1996/cmwh/Stills/basics.html, 1996, 5 pgs.	
	NPL267	Parties' Joint Claim Construction and Prehearing Statement Pursuant to P.R. 4-3, filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 18, 2009, 168 pages.	
	NPL268	Declaration of Professor James A. Storer, Ph.D., relating to U.S. Patent No. 6,604,158, March 18, 2009, 10 pgs.	
	NPL269	Declaration of Professor James A. Storer, Ph.D., relating to U.S. Patent No. 6,601,104, March 18, 2009, 8 pgs.	
	NPL270	Declaration of Professor James A. Storer, Ph.D., relating to U.S. Patent No. 7,321,937, May 4, 2009, 15 pgs.	
	NPL271	Declaration of Professor James A. Storer, Ph.D., relating to U.S. Patent No. 6,624,761, May 4, 2009, 6 pgs.	
	NPL272	Declaration of Professor James A. Storer, Ph.D., relating to U.S. Patent No. 7,378,992, May 20, 2009, 6 pgs.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	36	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL273	Declaration of Professor James A. Storer, Ph.D., relating to U.S. Patent No. 7,161,506, May 26, 2009, 5 pgs.	
	NPL274	"Video Coding for Low Bit Rate Communication", International Telecommunication Union (ITU), Recommendation H.263, §3.4 (March 1996) ("ITU H.263"), 52 pgs.	
	NPL275	Order Adopting Report and Recommendation of United States Magistrate Judge, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, August 24, 2009, 2 pgs.	
	NPL276	Second Amended Answer filed on behalf of Citrix Systems, Inc, (includes allegations of inequitable conduct on at least pages 24-43) filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 10, 2009, 45 pgs.	
	NPL277	Expert Report of James B. Gambrell on Inequitable Conduct filed on behalf of some of the defendants [Includes Appendices - Exhibits A-I] filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, June 10, 2009, 199 pgs.	
	NPL278	Expert Report of Dr. James A. Storer on Invalidity filed on behalf of some of the defendants [Includes Appendices - Exhibits A-K (Exhibit A has been redacted pursuant to a protective order)] filed in Realtime Data, LLC d/b/a IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, June 10, 2009, 1090 pgs.	
	NPL279	Supplemental Expert Report of Dr. James A. Storer on Invalidity filed on behalf of some of the defendants [Includes Appendices - Exhibits 1-8] filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, June 19, 2009, 301 pgs.	
	NPL280	Deposition of Dr. James A. Storer conducted on behalf of the plaintiffs filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 27, 2009, 242 pgs.	
	NPL281	Deposition of Brian Von Herzen conducted on behalf of the plaintiffs filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 26, 2009, 241 pgs.	
	NPL282	Second Amended Complaint filed on behalf of the Plaintiff in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 10, 2009, 28 pgs.	

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Sheet	37	of	94	Attorney Docket Number	2855.0050007

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	NPL283	Answers to the Second Amended Complaint and Counterclaims filed by Citrix Systems, Inc, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 17, 2009, 46 pgs.	
	NPL284	Answers to the Second Amended Complaint and Counterclaims filed by F5 Networks, Inc, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 17, 2009, 17 pgs.	
	NPL285	Answers to the Second Amended Complaint and Counterclaims filed by Averitt Express, Inc, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 17, 2009, 17 pgs.	
	NPL286	Answers to the Second Amended Complaint and Counterclaims filed by DHL Express, Inc, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 17, 2009, 37 pgs.	
	NPL287	Answers to the Second Amended Complaint and Counterclaims filed by Expand Networks, Inc, Interstate Battery System of America, Inc., and O'Reilly Automotive, Inc. in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 17, 2009, 21 pgs.	
	NPL288	Answers to the Second Amended Complaint and Counterclaims filed by Blue Coat Systems, Inc., Packeteer, Inc., 7-Eleven, Inc., ABM Industries, Inc., ABM Janitorial Services-South Central, Inc., and Build -A-Bear Workshop, Inc. in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, February 18, 2009, 84 pgs.	
	NPL289	Plaintiff's Response to the Answers to the Second Amended Complaint and Counterclaims filed by Citrix Systems, Inc, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 4, 2009, 24 pgs.	
	NPL290	Plaintiff's Responses to the Answers to the Second Amended Complaint and Counterclaims filed by F5 Networks, Inc, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 4, 2009, 5 pgs.	
	NPL291	Plaintiff's Responses to the Answers to the Second Amended Complaint and Counterclaims filed by Averitt Express, Inc, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 4, 2009, 5 pgs.	
	NPL292	Plaintiff's Responses to the Answers to the Second Amended Complaint and Counterclaims filed by DHL Express, Inc, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 4, 2009, 17 pgs.	

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				Examiner Name	BOCURE, Tesfaldet
Sheet	38	of	94	Attorney Docket Number	2855.0050007

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	NPL293	Plaintiff's Responses to the Answers to the Second Amended Complaint and Counterclaims filed by Expand Networks, Inc, Interstate Battery System of America, Inc., and O'Reilly Automotive, Inc. in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 4, 2009, 15 pgs.	
	NPL294	Plaintiff's Responses to the Answers to the Second Amended Complaint and Counterclaims filed by Blue Coat Systems, Inc., Packeteer, Inc., 7-Eleven, Inc., ABM Industries, Inc., ABM Janitorial Services-South Central, Inc., and Build -A-Bear Workshop, Inc. in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 4, 2009, 34 pgs.	
	NPL295	Opening Claim Construction Brief filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 5, 2009, 36 pgs.	
	NPL296	Declaration of Jordan Adler in support of the Opening Claim Construction Brief filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 5, 2009, 214 pgs.	
	NPL297	Motion for Partial Summary Judgment for Invalidity of some of the Patents in Suit for Indefiniteness, including the '104 patent, filed on behalf of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 16, 2009, 22 pgs.	
	NPL298	Declaration of Michele F. Moreland in support Motion for Partial Summary Judgment for Invalidity of some of the Patents in Suit for Indefiniteness, including the '104 patent, filed on behalf of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LE, March 16, 2009, 168 pgs.	
	NPL299	Declaration of James A. Storer in support Motion for Partial Summary Judgment for Invalidity of some of the Patents in Suit for Indefiniteness, including the '104 patent, filed on behalf of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LE, March 16, 2009, 27 pgs.	
	NPL300	Joint Defendants Reply regarding Motion for Partial Summary Judgment for Invalidity of some of the Patents in Suit for Indefiniteness, including the '104 patent, filed on behalf of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LE, April 2, 2009, 20 pgs.	
	NPL301	Responsive Briefs in Support of Claim Construction filed by Blue Coats Systems, Inc., Packeteer, Inc., 7-Eleven, Inc., ABM Industries, Inc., ABM Janitorial Services-South Central, Inc. and Build-A-Bear Workshop, Inc. in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 19, 2009, 451 pgs.	
	NPL302	Responsive Briefs in Support of Claim Construction filed by F5 Networks, Inc. and Averitt Express, Inc. in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 19, 2009, 20 pgs.	
Examiner Signature	/Tsfaldet Bcure/		Date Considered 02/22/2014

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Comcast - Exhibit 1002, page 363

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				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	39	of	94	Attorney Docket Number	2855.0050007

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	NPL303	Responsive Briefs in Support of Claim Construction filed by Citrix Systems, Inc., Expand Networks, Inc., DIIL Express (USA), Inc., Interstate Battery System of America, Inc., and O'Reilly Automotive Inc. in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 19, 2009, 377 pgs.	
	NPL304	Declaration of Dr. James A. Storer filed in Support of the Brief in Support of Claim Construction filed on behalf of F5 Networks, Inc. in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 19, 2009, 778 pgs.	
	NPL305	Defendant Citrix Systems, Inc.'s Motion to Exclude Dr. Brian Von Herzen's Opinions Regarding Claim Construction filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 20, 2009, 244 pgs.	
	NPL306	Plaintiff's Opposition to Defendant Citrix Systems, Inc.'s Motion to Exclude Dr. Brian Von Herzen's Opinions Regarding Claim Construction filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 6, 2009, 20 pgs.	
	NPL307	Declaration of Karim Oussayef submitted in support of the Opposition of Plaintiff's Opposition to Defendant Citrix Systems, Inc.'s Motion to Exclude Dr. Brian Von Herzen's Opinions Regarding Claim Construction filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 6, 2009, 119 pgs.	
	NPL308	Order of the Court Denying Defendant Citrix Systems, Inc.'s Motion to Exclude Dr. Brian Von Herzen's Opinions Regarding Claim Construction, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, April 6, 2009, 1 pg.	
	NPL309	Parties Joint Submission of Terms to be Heard at the Markman Hearing filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 24, 2009, 5 pgs.	
	NPL310	Order of the Court Regarding the terms to be heard at the Markman Hearing in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 24, 2009, 2 pgs.	
	NPL311	Transcript of the Markman Hearing held on April 9, 2009 in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, 174 pgs.	
	NPL312	Plaintiff's Reply Claim Construction Brief filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 30, 2009, 30 pgs.	

Examiner Signature	/Tsfaldet Bocure/	Date Considered	02/22/2014
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	NPL313	Declaration of Brian von Herzen in Support of the Plaintiff's Reply Claim Construction Brief filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 30, 2009, 25 pgs.	
	NPL314	F5 Sur-Reply to Plaintiff's Claim Construction Brief filed by some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 3, 2009, 12 pg	
	NPL315	Citrix Sur-Reply to Plaintiff's Claim Construction Brief filed by some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 3, 2009, 13 pgs.	
	NPL316	Blue Coat Sur-Reply to Plaintiff's Claim Construction Brief filed by some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 3, 2009, 12 pgs.	
	NPL317	Declaration of Michele Moreland in Support of Sur-Replies to Plaintiff's Claim Construction Brief filed by some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 3, 2009, 8 pgs.	
	NPL318	Declaration of James Storer in Support of Sur-Replies to Plaintiff's Claim Construction Brief filed by some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 7, 2009, 6 pgs.	
	NPL319	Plaintiff's Motion for Leave to Supplement the Parties' Joint Claim Construction and Prehearing Statement filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 8, 2009, 123 pgs.	
	NPL320	Motion for Reconsideration of the Court's Order Denying Plaintiff's Motion for Leave to Supplement the Parties' Joint Claim Construction and Prehearing Statement filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 13, 2009, 3 pgs.	
	NPL321	Citrix Systems' Opposition to Realtime Data's Motion for Reconsideration of Realtime's Motion for Leave to Supplement the Parties' Joint Claim Construction, filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 27, 2009, 6 pgs.	
	NPL322	Notice of Agreement to Claim Term between Plaintiff and Defendant filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 22, 2009, 3 pgs.	

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	NPL323	Provisional Claim Construction Order issued by the Court on June 2, 2009 in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, 28 pgs.	
	NPL324	Citrix Request for Consideration and Objections to the Provisional Claim Construction Order issued by the Court on June 22, 2009 filed on behalf of some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 9, 2009, 22 pgs.	
	NPL325	Blue Coat Request for Consideration and Objections to the Provisional Claim Construction Order issued by the Court on June 22, 2009 filed on behalf of some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED, U.S. District Court for the Eastern District of Texas, July 10, 2009, 9 pgs.	
	NPL326	F5 Request for Consideration and Objections to the Provisional Claim Construction Order issued by the Court on June 22, 2009 filed on behalf of some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 10, 2009, 15 pgs.	
	NPL327	Comtech AHA Corporation's Complaint in Intervention against the Plaintiff filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, April 6, 2009, 8 pgs.	
	NPL328	Report and Recommendation of United States Magistrate Judge on Motion for Partial Summary Judgment issued on June 23, 2009, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, 22 pgs.	
	NPL329	Blue Coat Defendants' Report and Recommendations Regarding Motion for Partial Summary Judgment of Invalidity for Indefiniteness in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 8, 2009, 18 pgs.	
	NPL330	Plaintiff's Objections To and Partially Unopposed Motion for Reconsideration of United States Magistrate Judge's Claim Construction Memorandum and Order, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 13, 2009, 11 pgs.	
	NPL331	Defendant Citrix Opposition to Realtime's Objections to and Partially Unopposed Motion for Reconsideration of Magistrate Love's Claim Construction Memorandum and Order filed by Citrix Systems, Inc., filed on behalf of some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 27, 2009, 8 pgs.	

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	NPL332	Defendant F5 Networks, Inc.'s Opposition to Plaintiff's Objections and Partially Unopposed Motion for Reconsideration of Magistrate Judge Love's Claim Construction and Order, filed on behalf of some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 27, 2009, 4 pgs.	
	NPL333	Defendants' Response in Opposition to Realtime Data's Objections to and Partially Unopposed Motion for Reconsideration of Magistrate Judge Love's Claim Construction Memorandum and Order, filed on behalf of some of the defendants in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 27, 2009, 9 pgs.	
	NPL334	Realtime Data's Response in Opposition to Defendant Citrix Systems Objections to and Request for Reconsideration of Magistrate's Order Regarding Claim Construction, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 27, 2009, 13 pgs.	
	NPL335	Plaintiff Realtime Data's Response in Opposition to Blue Coat Defendants' Objection to Magistrate's Memorandum Opinion and Order Regarding Claim Construction, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 27, 2009, 9 pgs.	
	NPL336	Plaintiff's selected Responses to Defendant Citrix System's Interrogatories and First Set of Requests for Admission filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 15, 2009, 151 pgs.	
	NPL337	Script for Defendants' Joint Claim Construction Technology Tutorial Presented to the Magistrate Judge in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, filed on April 18, 2008 and terminated February 2, 95 pgs.	
	NPL338	Preliminary Data Sheet, 9600 Data Compressor Processor, Hi/fn, 1997-99, HIFN 000001-68, 68 pgs.	
	NPL339	Data Sheet, 9751 Data Compression Processor, 1997-99, HIFN 000069-187, 119 pgs.	
	NPL340	Signal Termination Guide, Application Note, Hi/fn, 1997-98, HIFN 000188-194, 7 pgs.	
	NPL341	How LZS Data Compression Works, Application Note, Hi/fn, 1997-99, HIFN 000195-207, 13 pgs.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
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NON PATENT LITERATURE DOCUMENTS			
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	NPL342	Reference Hardware, 9751 Compression Processor, Hi/fn, 1997-99, HIFN 000208-221, 14 pgs.	
	NPL343	Using 9751 in Big Endian Systems, Application Note, Hi/fn, 1997-99, HIFN 000222-234, 13 pgs.	
	NPL344	Specification Update, 9751 Compression Processor, Hi/fn, 1997-2000, HIFN 000235-245, 11 pgs.	
	NPL345	9732AM Product Release, Hi/fn, 1994-99, HIFN 000246-302, 57 pgs.	
	NPL346	Data Sheet, 9732A Data Compression Processor, Hi/fn, 1997-99, HIFN 000303-353, 51 pgs.	
	NPL347	9711 to 7711 Migration, Application Note, Hi/fn, 1997-99, HIFN 000354-361, 8 pgs.	
	NPL348	Specification Update, 9711 Data Compression Processor, Hi/fn, 1997-99, HIFN 000362-370, 9 pgs.	
	NPL349	Differences Between the 9710 & 9711 Processors, Application Note, Hi/fn, 1997-99, HIFN 000371-77, 7 pgs.	
	NPL350	Specification Update, 9710 Data Compression Processor, Hi/fn, 1997-99, HIFN 000378-388, 11 pgs.	
	NPL351	9706/9706A Data Compression Coprocessor Data Sheet, Stac Electronics, 1991-97, HIFN 000389-473, 85 pgs.	

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	NPL352	9705/9705A Data Compression Coprocessor, Stac Electronics, 1988-96, HIFN 000474-562, 88 pgs.	
	NPL353	9705/9705A Data Compression Coprocessor Data Sheet, Stac Electronics, 1988-96, HIFN 000563-649, 87 pgs.	
	NPL354	9700/9701 Compression Coprocessors, Hi/fn, 1997, HIFN 000650-702, 53 pgs.	
	NPL355	Data Sheet 9610 Data Compression Processor, Hi/fn, 1997-98, HIFN 000703-744, 42 pgs.	
	NPL356	Specification Update 9610 Data Compression Processor, Hi/fn, 1997-99, HIFN 000745-751, 7 pgs.	
	NPL357	9705 Data Compression Coprocessor, Stac Electronics, 1988-92, HIFN 000752-831, 80 pgs.	
	NPL358	9705 Network Software Design Guide, Application Note, Stac Electronics, 1990-91, HIFN 000832-861, 30 pgs.	
	NPL359	Data Sheet 9601 Data Compression Processor, Hi/fn, May 21, 1998, HIFN 000862-920, 59 pgs.	
	NPL360	7751 Encryption Processor Reference Kit, Hi/fn, April 1999, HIFN 000921-1114, 194 pgs.	
	NPL361	Hardware Data Book, Hi/fn, November 1998, HIFN 001115-1430, 316 pgs.	

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	NPL362	Data Compression Data Book, Hi/fn, January 1999, HIFN 001431-1889, 459 pgs.	
	NPL363	Reference Software 7751 Encryption Processor, Hi/fn, November 1998, HIFN 002164-2201, 38 pgs.	
	NPL364	Interface Specification for Synergize Encoding/Decoding Program, JPB, October 10, 1997, HIFN 002215-2216, 2 pgs.	
	NPL365	Anderson, Chip, Extended Memory Specification Driver, 1998, HIFN 002217-2264, 48 pgs.	
	NPL366	Whiting, Doug, LZS Hardware API, March 12, 1993, HIFN 002265-68, 4 pgs.	
	NPL367	Whiting, Doug, Encryption in Sequoia, April 28, 1997, HIFN 002309-2313, 5 pgs.	
	NPL368	LZS221-C Version 4 Data Compression Software, Data Sheet, Hi/fn, 1994-97, HIFN 002508-2525, 18 pgs.	
	NPL369	eXtended Memory Specification (XMS), ver. 2.0, Microsoft, July 19, 1988, HIFN 002670-2683, 14 pgs.	
	NPL370	King, Stanley, Just for Your Info – From Microsoft 2, May 4, 1992, HIFN 002684-2710, 27 pgs.	
	NPL371	eXtended Memory Specification (XMS), ver. 2.0, Microsoft, July 19, 1988, HIFN 002711-2724, 14 pgs.	

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	NPL372	Advanced LZS Technology (ALZS), Whitepaper, Hi/fn, June 1, 1998, HIFN 002725-2727, 3 pgs.	
	NPL373	Secure Tape Technology (STT) Whitepaper, Hi/fn, June 1, 1998, HIFN 002728-2733, 6 pgs.	
	NPL374	SSLRef 3.0 API Details, Netscape, November 19, 1996, HIFN 002734-2778, 45 pgs.	
	NPL375	LZS221-C Version 4 Data Compression Software Data Sheet, Hi/fn, 1994-97, HIFN 002779-2796, 18 pgs.	
	NPL376	MPPC-C Version 4 Data Compression Software Data Sheet, Hi/fn, 1994-1997, HIFN 002797-2810, 14 pgs.	
	NPL377	Magstar MP Hardware Reference B Series Models Document GA32-0365-01, 1996-1997, [IBM_1_601 pages 1-338], 338 pages.	
	NPL378	Magstar MP 3570 Tape Subsystem, Operator Guide, B-Series Models, 1998-1999, [IBM_1_601 pages 339-525], 188 pages.	
	NPL379	Preview, IBM Magstar 3590 Tape System Enhancements, Hardware Announcement, February 16, 1999, [IBM_1_601 pages 526-527], 2 pgs.	
	NPL380	New IBM Magstar 3590 Models E11 and E1A Enhance Tape Drive Performance, Hardware Announcement, April 20, 1999, [IBM_1_601 pages 528-540] 13 pgs.	
	NPL381	NEW IBM Magstar 3590 Model A60 Dramatically Enhances Tape Drive Performance, Hardware Announcement July 27, 1999, [IBM_1_601 pages 541-550] 10 pgs.	

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NON PATENT LITERATURE DOCUMENTS			
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	NPL382	The IBM Magstar MP Tape Subsystem Provides Fast Access to Data, September 3, 1996, Announcement No. 196-176, [IBM_1_601 pages 551-563] 13 pgs.	
	NPL383	IBM 3590 High Performance Tape Subsystem, April 10, 1995, Announcement 195-106, [IBM_1_601 pages 564-581] 18 pgs.	
	NPL384	Standard ECMA-222 (June 1995): ECMA – Standardizing Information and Communications Systems, Adaptive Lossless Data Compression Algorithm, [IBM_1_601 pages 582-601] 20 pgs.	
	NPL385	IBM 3590 and 3494 Revised Availability, Hardware Announcement August 8, 1995, [IBM_743_1241 page 1] 1 pg.	
	NPL386	Direct Delivery of IBM 3494, 3466, and 3590 Storage Products, Hardware Announcement, September 30, 1997, Announcement 197-297, [IBM_743_1241 pages 2-3] 2 pgs.	
	NPL387	IBM Magstar 3590 Enhances Open Systems, Hardware Announcement February 9, 1996, Announcement 198-014, [IBM_743_1241 pages 4-7] 4 pgs.	
	NPL388	Hardware Withdrawal: IBM Magstar 3590 A00 Controller – Replacement Available, Announcement Number 197-267, Withdrawal Announcement, December 9, 1997, [IBM_743_1241 page 9] 1 pg.	
	NPL389	IBM Magstar 3590 Tape Subsystem, Introduction and Planning Guide, Document No. GA32-0329007, [IBM_743_1241 pages 10-499] 490 pgs.	
	NPL390	NetMeeting 2.0 Reviewers Guide, April 1997, [MSCS_298_339] 42 pgs.	
	NPL391	Microsoft NetMeeting Compatible Products and Services Directory, April 1997, [MSCS_242_297] 56 pgs.	

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	NPL392	Microsoft NetMeeting "Try This!" Guide, 1997, [MSCS_340_345] 6 pgs.	
	NPL393	The Professional Companion to NetMeeting 2 – The Technical Guide to Installing, Configuring, and Supporting NetMeeting 2.0 in Your Organization -Microsoft NetMeeting 2.0, 1996-97, [MSCS_2_241] 240 pgs.	
	NPL394	CUSeeMe 3.1.2 User Guide, November 1998, [RAD_1_220] 220 pgs.	
	NPL395	MeetingPoint Conference Server Users Guide 3.0, November 1997, [RAD_221_548] 328 pgs.	
	NPL396	MeetingPoint Conference Server Users Guide 4.0.2, December 1999, [RAD_549_818] 270 pgs.	
	NPL397	MeetingPoint Conference Service Users Guide 3.5.1, December 1998, [RAD_819_1062] 244 pgs.	
	NPL398	Enhanced CUSeeMe – Authorized Guide, 1995-1996, [RAD_1063_1372] 310 pgs.	
	NPL399	Meeting Point Reader File, June 1999, [RAD_1437_1445] 9 pgs.	
	NPL400	Press Release - White Pine Announces Launch of MeetingPoint Conferences Server, October 9, 1997, [RAD_1738_1739] 2 pgs.	
	NPL401	Press Release - Leading Network Service Providers Line Up to Support White Pine's MeetingPoint Conference Server Technology, October 9, 1997, [RAD_1740_1743] 4 pgs.	

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	NPL402	BYTE - A New MeetingPoint for Videoconferencing, October 9, 1997, [RAD_1744_1750] 7 pgs.	
	NPL403	Declaration of Patrick Gogerty, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, executed May 8, 2009, 3 pgs.	
	NPL404	Other Responses to Interrogatories, Requests for Admission, and Objections to Requests for Admission filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, filed April 18, 2008 and terminated February 2, 2010. (PTO Notified -- Document NOT submitted)	
	NPL405	Deposition Transcript of persons involved in litigation, including inventor James Fallon, and third-party witnesses Jim Karp, Ke-Chiang Chu, and Frank V. DeRosa filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, filed April 18, 2008 and terminated February 2, 2010. (PTO Notified -- Document NOT submitted)	
	NPL406	Office of Rebuttal Expert Reports of Dr. Brian Von Herzen, Lester L. Hewitt and Dr. James A. Storer, and Expert Reports of Dr. James A. Storer and Dr. Nathaniel Polish filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, filed April 18, 2008 and terminated February 2, 2010. (PTO Notified -- Document NOT submitted)	
	NPL407	Proposed Amended Infringement Contentions filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, filed April 18, 2008 and terminated February 2, 2010. (PTO Notified -- Document NOT submitted)	
	NPL408	Documents Concerning Agreements for Mediations and Mediation Proceedings Between Plaintiffs and Some of the Defendants filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, filed April 18, 2008 and terminated February 2, 2010. (PTO Notified -- Document NOT submitted)	
	NPL409	Plaintiff's Opposition to Joint Defendants' Motion for Partial Summary Judgment of Invalidity of some of the patents in Suit for indefiniteness, including the '104 patent, Blue Coat's response to this objection, Blue Coat's Reply to Plaintiff's response and Plaintiff's Sur-Reply to Blue Coat's Reply filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, filed April 18, 2008 and terminated February 2, 2010. (PTO Notified -- Document NOT submitted)	

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	NPL410	Plaintiff's Amended P.R. 3-1 Disclosures and Infringement Contentions, Defendants' Motions to Strick unauthorized portions of these disclosures, and Sur-Replies to these Motions filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, filed April 18, 2008 and terminated February 2, 2010. (PTO Notified -- Document NOT submitted)	
	NPL411	Expert Report of Dr. James A. Storer Regarding Non-Infringement that contains positions related to the validity of the patents in suit filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, filed April 18, 2008 and terminated February 2, 2010. (PTO Notified -- Document NOT submitted)	
	NPL412	Thomson Reuters Corporation v. Realtime Data, LLC D/B/A IXO, No. 09 CV 7868 (S.D.N.Y.) 2009.09.23 Order Dismissing Case in Favor of Texas Action, 1 pg.	
	NPL413	Thomson Reuters Corporation v. Realtime Data, LLC D/B/A IXO, No. 09 CV 7868 (S.D.N.Y.) 2009.09.30 Response to Order re Transfer, 103 pgs.	
	NPL414	Thomson Reuters Corporation v. Realtime Data, LLC D/B/A IXO, No. 09 CV 7868 (S.D.N.Y.) 2009.10.07 Reply Letter regarding Judge Berman 2009.09.23 Order re Transfer, 182 pgs.	
	NPL415	Thomson Reuters Corporation v. Realtime Data, LLC D/B/A IXO, No. 09 CV 7868 (S.D.N.Y.) 2009.10.15 Order Staying Case Until TX Action Decided, 3 pgs.	
	NPL416	Thomson Reuters Corporation v. Realtime Data, LLC D/B/A IXO, No. 09 CV 7868 (S.D.N.Y.) 2009.09.11 Complaint - DJ SD NY, 41 pgs.	
	NPL417	Thomson Reuters Corporation v. Realtime Data, LLC D/B/A IXO, No. 09 CV 7868 (S.D.N.Y.) 2009.09.11 Rule 7.1 Disclosure Statement for Thomson Reuters, 1 pg.	
	NPL418	Thomson Reuters Corporation v. Realtime Data, LLC D/B/A IXO, No. 09 CV 7868 (S.D.N.Y.) Order- Stay Pending Transfer Motion Confirmed 10_15_09, 3 pgs.	
	NPL419	Opinion and Order of United States Magistrate Judge regarding Claim Construction, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, issued June 22, 2009, 75 pgs.	

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL420	Script for Realtimes' Technology Tutorial Presented to the Magistrate Judge in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, March 16, 2009, 69 pgs.	
	NPL421	Opinion and Order of United States Magistrate Judge regarding Plaintiff's Motion to Strike Unauthorized New Invalidity Theories from Defendant Citrix's Opening and Reply Briefs in Support of its Motion for Summary Judgment of Invalidity, Realtime Data, LLD/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, issued Dec. 8, 2009, 10 pgs	
	NPL422	Defendant Citrix Systems, Inc.'s Notice Pursuant to 35 U.S.C. Section 282 Disclosures, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed December 11, 2009, 7 pgs.	
	NPL423	Blue Coat Defendants' Notice Pursuant to 35 U.S.C. Section 282 Disclosures, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed December 11, 2009, 7 pgs.	
	NPL424	Expand Networks' 35 U.S.C. Section 282 Disclosures, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed December 11, 2009, 4 pgs.	
	NPL425	Expand Networks' 35 U.S.C. Section 282 Disclosures (Amended), Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed December 11, 2009, 5 pgs.	
	NPL426	Defendant Citrix Systems, Inc.'s Notice of Obviousness Combinations Pursuant to Court Order, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed December 11, 2009, 3 pgs.	
	NPL427	Order of United States Magistrate Judge regarding Motion to Limit the Number of Prior Art References to be Asserted at Trial, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed December 21, 2009, 6 pgs.	
	NPL428	Expand Defendants' Notice of Obviousness Combinations Pursuant to Court Order, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed December 22, 2009, 3 pgs.	
	NPL429	Blue Coat Systems, Inc. and 7-Eleven, Inc.'s Notice of Obviousness Combinations to be Uscd at Trial, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed December 22, 2009, 38 pgs.	

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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
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	NPL430	Defendant Citrix Systems, Inc's Notice of Other Prior Art References Within the Scope of the References Discussed at the Dec. 17, 2009 Hearing, Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed December 29, 2009, 6 pgs.	
	NPL431	Docket Listing downloaded March 10, 2010 for Realtime Data, LLC D/B/A Ixo v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08cv144, filed April 18, 2008, 165 pgs.	
	NPL432	CCITT Draft Recommendation T.4, RFC 804, January 1981, 12 pgs.	
	NPL433	SNA Formats, IBM Corporation, 14th Ed., November 1993, 3 pgs.	
	NPL434	Munteanu et al, "Wavelet-Based Lossless Compression Scheme with Progressive Transmission Capability," John Wiley & Sons, Inc., Int'l J. Imaging Sys. Tech., vol. 10, (1999) pgs 76-85.	
	NPL435	Forchhammer and Jensen, "Data Compression of Scanned Halftone Images," IEEE Trans. Commun., vol. 42, Feb.-Apr. 1994, pgs 1881-1893.	
	NPL436	Christopher Eoyang et al., "The Birth of the Second Generation: The Hitachi S-820/80," Proceedings of the 1998 ACM/IEEE Conference on Supercomputing, pgs 296-303 (1998)	
	NPL437	Transcript for Hearing on Motions for Summary Judgment, Realtime Data, LLC d/b/a IXO v. Packeteer, Inc. et al, Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, 133 pgs, November 8, 2009.	
	NPL438	Transcript for Motions Hearing (Including Supplemental Claim Construction Hearing), Realtime Data, LLC d/b/a IXO v. Packeteer, Inc. et al, Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, 88 pgs, November 10, 2009	
	NPL439	Nelson, "The Data Compression Book," M&T Books (2nd Ed. 1996), 283 pgs.	

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				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
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	NPL440	"The Authoritative Dictionary of IEEE Standards Terms," 7th Ed. 2000, pg. 273.	
	NPL441	Larousse Dictionary of Science and Technology, 1st Ed., 1995, pg. 916.	
	NPL442	Plaintiff Realtime Data's Motion to Strike Unauthorized New Invalidity Theories from Defendant Citrix's Opening and Reply Briefs in Support Its Motion for Summary Judgment of Invalidity of U.S. Patent No. 7,352,300 (September 22, 2009), 14 pgs.	
	NPL443	Realtime Data's Reply in Support of Its Motion to Strike Unauthorized New Invalidity Theories from Defendant Citrix's Opening and Reply Briefs in Support of Its Motion for Summary Judgment of Invalidity of U.S. Patent No. 7,352,300 (October 19, 2009), 17 pgs.	
	NPL444	Defendant Citrix Systems, Inc.'s Sur-Reply in Opposition to Realtime Data LLC's Motion to Strike Unauthorized New Invalidity Theories from Citrix's Opening and Reply Briefs in Support of Its Motion for Summary Judgment of Invalidity of U.S. Patent No. 7,352,300 (October 30, 2009), 9 pgs.	
	NPL445	Blue Coat Defendants' Response to Realtime Data, LLC's Notice Re Proposed Construction of "Data Storage Rate" (November 11, 2009), 3 pgs.	
	NPL446	Order for Supplemental Briefing on Blue Coat 7-11 Motion for Partial SJ on Non-infringement of Pat 6,601,104 (November 13, 2009), 6 pgs.	
	NPL447	Memorandum Opinion and Order (November 23, 2009), 15 pgs.	
	NPL448	Memorandum Opinion and Order (December 8, 2009), 10 pgs.	
	NPL449	Expand's Conclusions of Fact and Law Regarding Defense of Inequitable Conduct Concerning the Unenforceability of U.S. Patent No. 7,321,937 (November 12, 2009), 3 pgs.	

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				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
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	NPL450	Realtime Data's Sur-reply Supplemental Claim Construction Brief Concerning Whether the Asserted Claims of the '104 Patent are Product Claims (December 23, 2009), 6 pgs.	
	NPL451	Order regarding Defendant Citrix Systems, Inc's Notice of Other Prior Art References Within the Scope of the References Discussed at the December 17, 2009 Hearing (December 30, 2009), 3 pgs.	
	NPL452	Network Working group RFC 2068 (Jan. 1997), 163 pgs.	
	NPL453	Network Working group RFC 2616 (Jun. 1999), 114 pgs.	
	NPL454	Network Working group RFC 1945 (May 1996), 61 pgs.	
	NPL455	Network Working group RFC 1950 (May 1996), 10 pgs.	
	NPL456	Network Working group RFC 1951 (May 1996), 15 pgs.	
	NPL457	Network Working group RFC 1952 (May 1996), 12 pgs.	
	NPL458	Notice of Plaintiff Realtime Data LLC's Proposed Supplemental Construction of "Data Storage Rate" In Response to the Court's Comments During the November 10, 2009 Supplemental Claim Construction Hearing (November 10, 2009), 4 pgs.	
	NPL459	Citrix's Amended Invalidity Contentions, Including Appendices G2-G8 (December 15, 2009), 509 pgs.	

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Comcast - Exhibit 1002, page 379

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				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	55	of	94	Attorney Docket Number	2855.0050007

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	NPL460	"Plaintiff Realtime Data's Opposition to Defendant F5 Networks' Motion for Summary Judgment that Claims 18-20 of U.S. Patent No. 7,321,937 are Invalid (August 25, 2009)" Civil Action No. 6:08-cv-00144-LED Jury Trial Demanded Filed Under Seal; In the United States District Court for the Eastern District of Texas Tyler Division. [Under Seal - Document NOT Submitted]	
	NPL461	Declaration of Dr. James W. Modestino relating to U.S. Patent No. 7,161,506, March 15, 2010, 49 pgs.	
	NPL462	Second Declaration of Dr. George T. Ligler under 37 C.F.R. §1.132 relating to U.S. Patent No. 6,601,104, executed May 5, 2010, 3 pgs.	
	NPL463	Realtime Data, LLC Complaint for Patent Infringement, Realtime Data, LLC D/B/A IXO v. CME Group Inc., et al. (II), District Court for the Eastern District of Texas, No. 6:10-cv-246, filed May 11, 2010, 24 pages.	
	NPL464	Realtime Data, LLC Complaint for Patent Infringement, Realtime Data, LLC D/B/A IXO v. Thompson Reuters Corporation, et al. (II), District Court for the Eastern District of Texas, No. 6:10-cv-247, filed May 11, 2010, 15 pages.	
	NPL465	Realtime Data, LLC Complaint for Patent Infringement, Realtime Data, LLC D/B/A IXO v. Morgan Stanley, et al. (II), District Court for the Eastern District of Texas, No. 6:10-cv-248, filed May 11, 2010, 27 pages.	
	NPL466	Declaration of Padmaja Chinta In Support of Realtime Data's Reply Claim Construction Brief (including Exhibits A-S), Realtime Data, LLC D/B/A IXO v. Packeteer, Inc., et al., District Court for the Eastern District of Texas, No. 6:08-cv-00144-LED, dated March 30, 2009, 217 pgs.	
	NPL467	Extended European search report issuing from European Patent Application 09150508.1, August 3, 2010, 5 pgs.	
	NPL468	Complaint, Thomson Reuters Corporation v. Realtime Data, LLC D/B/A IXO, Southern District of New York, No. 2:09-cv-7868-RMB, filed September 11, 2009, 6 pages.	
	NPL469	Realtime Data, LLC Complaint for Patent Infringement, Realtime Data, LLC D/B/A IXO v. MetroPCS Texas, LLC et al., District Court for the Eastern District of Texas, No. 6:10-cv-00493, filed September 23, 2010, 14 pages.	

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				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
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	NPL470	Complaint and Demand for Jury Trial, Chicago Board Options Exchange, Incorporated v. Realtime Data, LLC D/B/A IXO, United States District Court for the Northern District of Illinois, No. 09 CV 4486, filed July 24, 2009, 6 pages.	
	NPL471	Realtime's Response in Opposition to the Defendants' Joint Objections to Report and Recommendation of Magistrate Regarding Motion for Partial Summary Judgment of Invalidity for Indefiniteness, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 27, 2009, 15 pgs.	
	NPL472	Reply to Realtime's Response to Blue Coat Defendants' Objections to Report and Recommendation of United States Magistrate Judge Regarding Motion for Partial Summary Judgment of Invalidity for Indefiniteness Entered June 23, 2009, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, July 31, 2009, 3 pgs.	
	NPL473	Realtime Data's Sur-Reply in Opposition to the Defendants' Joint Objections to Report and Recommendation of Magistrate Regarding Motion for Partial Summary Judgment of Invalidity for Indefiniteness, in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc. et al., Civil Action No. 6:08-cv-00144-LED; U.S. District Court for the Eastern District of Texas, August 3, 2009, 3 pgs.	
	NPL474	Defendants' Invalidity Contentions, Realtime Data, LLC d/b/a IXO, vs. MetroPCS Texas, LLC, et al., Case No. 6:10-CV-00493-LED, In the United States District Court Eastern District of Texas Tyler Division, June 17, 2011, 138 pages.	
	NPL475	Appendix A, Claim Charts A-1 to A-25, from Invalidity Contentions, Realtime Data LLC v. MetroPCS Texas, LLC, et al., Case No. 6:10-CV-00493-LED, June 17, 2011, 173 pages.	
	NPL476	Appendix B, Claim Charts B-1 to B-23, from Realtime Data LLC v. MetroPCS Texas, LLC et al., Case No. 6:10-CV-00493-LED, June 17, 2011, 809 pages.	
	NPL477	Appendix C, Claim Charts C-1 to C-22, from Realtime Data LLC v. MetroPCS Texas, LLC et al., Case No. 6:10-CV-00493-LED, June 17, 2011, 530 pages.	
	NPL478	Appendix D, Claim Charts D-1 to D-16, from Realtime Data LLC v. MetroPCS Texas, LLC et al., Case No. 6:10-CV-00493-LED, June 17, 2011, 253 pages.	
	NPL479	Appendix E, Claim Charts E-1 to E-20, from Realtime Data LLC v. MetroPCS Texas, LLC et al., Case No. 6:10-CV-00493-LED, June 17, 2011, 397 pages.	

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Comcast - Exhibit 1002, page 381

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				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	57	of	94		

NON PATENT LITERATURE DOCUMENTS			
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	NPL480	Appendix F, Claim Charts F-1 to F-19, from Realtime Data LLC v. MetroPCS Texas, LLC et al., Case No. 6:10-CV-00493-LED, June 17, 2011, 462 pages.	
	NPL481	Appendix G, Claim Charts G-1 to G-18, from Realtime Data LLC v. MetroPCS Texas, LLC et al., Case No. 6:10-CV-00493-LED, June 17, 2011, 548 pages.	
	NPL482	Appendix H, Claim Charts H-1 to H-22, from Realtime Data LLC v. MetroPCS Texas, LLC et al., Case No. 6:10-CV-00493-LED, June 17, 2011, 151 pages.	
	NPL483	AMIR et al., "An Application Level Video Gateway," 1995, 11 pages.	
	NPL484	KATZ, Randy H. and Eric A. Brewer, "The Bay Area Research Wireless Access Network: Towards a Wireless Overlay Internetworking Architecture," Computer Science Division, EECS Department, U.C. Berkeley, 1995, 56 pages.	
	NPL485	KATZ, R.H. and E.A. Brewer, "The Bay Area Research Wireless Access Network (BARWAN)," UC Berkeley, 1995, 68 pages.	
	NPL486	BRUCKMAN, Alfred and Andreas UHL, "Selective Medical Image Compression Using Wavelet Techniques," June 1998, 23 pages.	
	NPL487	CROWLEY et al., "Dynamic Compression During System Save Operations," May 1, 1984, 3 pages.	
	NPL488	HERSHKOVITS, "Universal Data Compression with Finite-Memory," February 1995, 99 pages.	
	NPL489	KATZ et al., "The Bay Area Research Wireless Access Networks (BARWAN)," 1996, 6 pages.	

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Comcast - Exhibit 1002, page 382

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				Filing Date	September 20, 2013
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Sheet	58	of	94	Attorney Docket Number	2855.0050007

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	NPL490	KLEIN, "Compression and Coding in Information Retrieval Systems," June 1987, pages vii-viii, 1-4, 10-15, 22-30, 43-48, 62-66, 86-89, 108-111.	
	NPL491	REGHBATI, "An Overview of Data Compression Techniques," April 1981, pages 71-75.	
	NPL492	Defendants' Joint Preliminary Invalidity Contentions filed in Realtime Data, LLC D/B/A IXO v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, United States District Court for the Eastern District of Texas Tyler Division, December 8, 2008, 19 pages.	
	NPL493	Appendix A, Claim Charts A-1 to A-46, from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 345 pages.	
	NPL494	Appendix B, Claim Charts B-1 to B-17, from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 1893 pages.	
	NPL495	Appendix C, Claim Charts C-1 to C-34, from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 1,055 pages.	
	NPL496	Appendix D, Claim Charts D-1 to D-14, from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 197 pages.	
	NPL497	Appendix E, Claim Charts E-1 to E-11, from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 735 pages.	
	NPL498	Appendix F, Claim Charts F-1 to F-11, from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 775 pages.	
	NPL499	Appendix G Claim Charts G-1 to G-8 from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 567 pages.	

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	NPL500	Appendix H, Claim Charts H-1 to H-18, from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 97 pages.	
	NPL501	Appendix I, Claim Charts I-1 to I-18, from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 146 pages.	
	NPL502	Appendix J, Prior Art Chart, from Realtime Data, LLC v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-144-LED, December 8, 2008, 25 pages.	
	NPL503	Realtime Data, LLC's [Corrected] P.R. 3-1 Disclosures and Preliminary Infringement Contentions filed in Realtime Data, LLC D/B/A/IXO v. Packeteer, Inc., et al., Civil Action No. 6:08-cv-00144-LED, United States District Court for the Eastern District of Texas Tyler Division, October 8, 2008, 591 pages.	
	NPL504	Amended Answer and Counterclaims of Defendants Blue Coat Systems, Inc., Packeteer, Inc., 7-Eleven, Inc., ABM Industries, Inc., ABM Janitorial Services-South Central, Inc., and Build-A-Bear Workshop, Inc. to Plaintiff's First Amended Complaint for Patent Infringement filed in Realtime Data, LLC d/b/a/IXO v. Packeteer, Inc., et al., Civil Action No. 6:08cv144-LED, United States District Court for the Eastern District of Texas Tyler Division, October 28, 2008, 81 pages.	
	NPL505	"Packeteer iShaper, PacketShaper and iShared Appliances Drive Intelligent Application Acceleration Across Coogee Resources Wide Area Network", Business Wire, accessed on August 25, 2008, 2 pages.	
	NPL506	WHITING, Doug, "Deflate vs. LZS", November, 2000, 2 pages.	
	NPL507	"The Packeteer Q4 2005 Financial Conference Call", January 26, 2006, 9 pages.	
	NPL508	"Data Compression Ratio", Wikipedia, the free encyclopedia, accessed on August 10, 2011 from http://en.wikipedia.org/wiki/Data_compression_ratio , 2 pages.	
	NPL509	"Hard Disk Data Control Method", IBM Technical Disclosure Bulletin NN9302301, Vol. 36, No. 2, February 1993, pages 301-302.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	60	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL510	Defendants' Supplemental Invalidity Contentions, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed May 17, 2012, 54 pages.	
	NPL511	Expert Report of Michael Brogioli Regarding Asserted Claims of U.S. Patent Nos. 7,417,568 and 7,777,651, with Exhibit A: List of Materials Reviewed, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 26 pages.	
	NPL512	Exhibit 1, Curriculum Vitae of Michael C. Brogioli, from Expert Report, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 9 pages.	
	NPL513	Exhibit 2, [Proposed] Order Adopting the Parties' Agreed Claim Constructions, from Expert Report, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 6 pages.	
	NPL514	Exhibit 3, The Parties' Disputed Claim Constructions, revised May 3, 2012, from Expert Report, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 6 pages.	
	NPL515	Exhibit 4, E-Mail Correspondence between James Shalek and Brett Cooper, dated May 17 and 18, 2012, from Expert Report, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 3 pages.	
	NPL516	Exhibit 5, Source Code Chart for U.S. Pat. No. 7,417,568 comparing representative elements of the NQDSLIB source code (April 29, 2002 or earlier), from Expert Report, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 3 pages.	

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Comcast - Exhibit 1002, page 385

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				Examiner Name	BOCURE, Tesfaldet
Sheet	61	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
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	NPL517	Exhibit 6, Source Code Chart for U.S. Pat. No. 7,417,568 comparing representative elements of the NQDSLIB source code (May 02, 2002 or earlier), from Expert Report, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 3 pages.	
	NPL518	Exhibit 7, Source Code Chart for U.S. Pat. No. 7,777,651 comparing representative elements of the NQDSLIB source code (April 29, 2002 or earlier), from Expert Report, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 21 pages.	
	NPL519	Exhibit 8, Source Code Chart for U.S. Pat. No. 7,777,651 comparing representative elements of the NQDSLIB source code (May 02, 2002 or earlier), from Expert Report, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 21 pages.	
	NPL520	Invalidity Expert Report of Dr. James A. Storer (Redacted), filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 227 pages.	
	NPL521	Defendants' Claim Construction Tutorial, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 15, 2012, 54 pages.	
	NPL522	Opinion and Order (Markman), filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 22, 2012, 41 pages.	
	NPL523	Opinion and Order (Partial Motion for Summary Judgment re Written Description: "Data Packets"), filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 26, 2012, 8 pages.	

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				Examiner Name	BOCURE, Tesfaldet
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL524	Opinion and Order (Partial Motion for Summary Judgment re Data Decompression) filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 27, 2012, 21 pages.	
	NPL525	Technology Tutorial (.exe file), presentation filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed June 2012 (submitted on accompanying CD-ROM).	
	NPL526	Lilley, J., et al., "A Unified Header Compression Framework for Low-Bandwidth Links," MobiCom 2000, August 6-11, 2000. Boston, MA, 12 pages.	
	NPL527	"WAN Link Compression on HP Routers," Hewlett Packard Application Note, May 1995, 7 pages.	
	NPL528	"User Manual for XMill," 2001, 21 pages.	
	NPL529	"High Speed Network, Developer's Guide," Standard & Poor's Comstock, Version 1.1, 1994, pages 1-42, and 53-124.	
	NPL530	Larmouth, J., "ASN.1 Complete", Academic Press, 2000, pages xxi-xxvii, 1-45, 115-130, 168-172, 174, 270-276, and 443-472.	
	NPL531	Petty, J., "PPP Hewlett-Packard Packet-by-Packet Compression (HP PPC) Protocol," draft-ietf-ppext-hpppc-00.txt., October 1993, 7 pages.	
	NPL532	Friend, R., et al., "IP Payload Compression Using LZS," Network Working Group, Request for Comments: 2395, Category: Informational, December 1998; 9 pages.	
	NPL533	"Information technology - Abstract Syntax Notation One (ASN.1): Specification of basic notation," Series X: Data Networks and Open System Communications, OSI networking and system aspects - Abstract Syntax Notation One (ASN.1), International Telecommunication Union, ITU-T Recommendation X.680, December 1997, 109 pages.	

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	NPL534	"Information technology - ASN.1 encoding rules - Specification of Packed Encoding Rules (PER), Series X: Data Networks and Open System Communications, OSI networking and system aspects - Abstract Syntax Notation One (ASN.1), International Telecommunication Union, ITU-T Recommendation X.691, December 1997, 51 pages.	
	NPL535	Opinion and Order, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed September 24, 2012, 48 pages.	
	NPL536	Memorandum Opinion and Order, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed October 1, 2012, 22 pages.	
	NPL537	T-Mobile's Motion for Leave to Supplement Trial Witness List & Invalidity Contentions, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 16 pages.	
	NPL538	Exhibit 2, Defendant T-Mobile's Supplemental Invalidity Contentions, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 13 pages.	
	NPL539	Exhibit 3, FNLTD-74478, Flash Networks: Commercial Part Written by Flash Networks for Cegetel, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 6 pages.	
	NPL540	Exhibit 4, FNLTD-74444, Response to Cegetel RFP: Technical Section, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 5 pages.	
	NPL541	Exhibit 5, FNLTD-74926, Flash Networks Optimization Products Selected by AT&T Wireless, Flash Networks, Inc. Press Release, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 3 pages.	
	NPL542	Exhibit 6, Flash Networks: Harmony, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 6 pages.	
	NPL543	Exhibit 7, Declaration of Adi Weiser, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 4 pages.	
Examiner Signature	/Tefaldet Bocure/		Date Considered 02/22/2014

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	NPL544	Exhibit 8, Declaration of Yoav Weiss, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 4 pages.	
	NPL545	Exhibit 9, Declaration of Richard Luthi, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 4 pages.	
	NPL546	Exhibit 13, Declaration of Gali Weiss, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 4 pages.	
	NPL547	Exhibit 17, P.R. 3-1 Claim Chart for T-Mobile, U.S. Patent No. 7,161,506, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed December 17, 2012, 33 pages.	
	NPL548	"Flash Networks Introduces NettGain 1100, New Products for Carriers & Enterprises that Enables Immediate Deployment of Wireless Data Solutions," Press Release, dated March 20, 2001, 2 pages.	
	NPL549	Amended Expert Report of Dr. Cliff Reader, filed in Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC, et al., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed July 30, 2012, 205 pages.	
	NPL550	Final Judgment, filed in Realtime Data, LLC, d/b/a IXO, v. T-Mobile USA, Inc., Civil Action No. 6:10-cv-00493, United States District Court for the Eastern District of Texas, filed March 28, 2013, 1 page.	
	NPL551	Final Judgment Pursuant to Fed. R. Civ. P. 45(b), filed in Realtime Data LLC, d/b/a IXO, v. CME Group Inc., et al., Civil Action No. 1:11-cv-06697, United States District Court Southern District of New York, dated November 9, 2012, 10 pages.	
	NPL552	Final Judgment Pursuant to Fed. R. Civ. P. 45(b), filed in Realtime Data LLC, d/b/a IXO, v. Morgan Stanley, et al., Civil Action No. 1:11-cv-06696, United States District Court Southern District of New York, dated November 9, 2012, 10 pages.	
	NPL553	Final Judgment Pursuant to Fed. R. Civ. P. 45(b), filed in Realtime Data LLC, d/b/a IXO, v. Thomson Reuters Corporation, et al., Civil Action No. 1:11-cv-06698, United States District Court Southern District of New York, dated November 9, 2012, 6 pages.	

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	NPL554	Opinion and Order (Motion 10), filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed August 2, 2012, 13 pages.	
	NPL555	Supplemental Order, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed November 9, 2012, 5 pages.	
	NPL556	Memorandum & Order, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed August 2, 2012, 13 pages.	
	NPL557	Amended Opinion & Order, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Civil Action No. 1:11-cv-6696, Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al., Civil Action No. 1:11-cv-6697, and Realtime Data, LLC d/b/a IXO v. Thomson Reuters, et al., Civil Action No. 1:11-cv-6698, United States District Court Southern District of New York, filed August 15, 2012, 48 pages.	
	NPL558	Non-Confidential Brief for Plaintiff-Appellant Realtime Data, LLC d/b/a IXO, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley et al., Case Nos. 2013-1092, -1093, -1095, -1097, -1098, -1099, -1100, -1101, and -1103, United States Court of Appeals for the Federal Circuit, filed March 6, 2013, 80 pages.	
	NPL559	Non-Confidential Brief for Defendants - Appellees CME Group, Inc., Board of Trade of the City of Chicago, Inc., The New York Mercantile Exchange, Inc., BATS Trading, Inc., and NASDAQ OMX Group, Inc. and NASDAQ OMX PHLX, Inc., filed in Realtime Data, LLC d/b/a IXO v. CME Group, Inc., et al., Case Nos. 13-1093, -1097, and -1100, United States Court of Appeals for the Federal Circuit, filed May 20, 2013, 74 pages.	
	NPL560	Non-Confidential Reply Brief for Plaintiff-Appellant Realtime Data, LLC d/b/a IXO, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Case Nos. 13-1092, -1093, -1095, -1097, -1098, -1099, -1100, -1101, and -1103, United States Court of Appeals for the Federal Circuit, filed June 19, 2013, 53 pages.	
	NPL561	ChangeLog file for zlib, zlib.net/ChangeLog.txt file, accessed on May 23, 2013, with date references April 11, 1995 - April 28, 2013, 26 pages.	
	NPL562	2.0.39 Kernel Release History, accessed at lwn.net/2001/1018/a/hist-2.0.39.php3, dated October 14, 2001, 8 pages.	

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				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	66	of	94		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL563	"Linux Kernel," Wikipedia - the Free Encyclopedia, accessed at en.wikipedia.org/wiki/Linux_kernel, accessed on May 9, 2013, 20 pages.	
	NPL564	RUBINI, A., "Booting the Kernel," accessed at www.linux.it/~rubini/docs/boot/, June 1997, 6 pages.	
	NPL565	ZADOK, E., et al., "Fast Indexing: Support for Size-Changing Algorithms in Stackable File Systems," Proceedings of the 2001 Annual USENIX Technical Conference, June 2001, 16 pages.	
	NPL566	Court Docket History for 6:10-cv-00493-LED Realtime Data, LLC d/b/a IXO, v. MetroPCS Texas, LLC et al., downloaded August 9, 2013, 78 pages.	
	NPL567	Court Docket History for 1:09-cv-04486 Chicago Board Options Exchange, Incorporated v. Realtime Data, LLC, downloaded August 9, 2013, 7 pages.	
	NPL568	Court Docket History for 6:08-cv-00144-LED-JDL Realtime Data, LLC d/b/a IXO v. Packeteer, Inc. et al., downloaded August 9, 2013, 119 pages.	
	NPL569	Court Docket History for 6:09-cv-00326-LED-JDL Realtime Data, LLC d/b/a IXO, v. Morgan Stanley et al., downloaded August 9, 2013, 45 pages.	
	NPL570	Court Docket History for 6:09-cv-00327-LED-JDL Realtime Data, LLC d/b/a IXO, v. CME Group Inc. et al., downloaded August 9, 2013, 56 pages.	
	NPL571	Court Docket History for 6:09-cv-00333-LED-JDL Realtime Data, LLC d/b/a IXO v. Thomson Reuters et al., downloaded August 9, 2013, 30 pages.	
	NPL572	Court Docket History for 1:09-cv-07868-RMB Thomson Reuters Corporation v. Realtime Data, LLC, downloaded August 9, 2013, 3 pages.	
	NPL573	Notice of Allowance in Commonly-Assigned U.S. Application. No. 11/651,366, issued April 10, 2009, 7 pgs.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL574	Copy of Non-Final Office Action for U.S. Appl. No. 12/684,624, mailed November 10, 2010, 5 pgs.	
	NPL575	Copy of Notice of Allowance for U.S. Appl. No. 12/123,081, mailed February 17, 2011, 7 pgs.	
	NPL576	Copy of Non-Final Office Action for U.S. Appl. No. 12/688,413, mailed September 27, 2010, 13 pgs.	
	NPL577	Copy of Notice of Allowance for U.S. Appl. No. 11/551,211, mailed January 31, 2011, 4 pgs.	
	NPL578	Copy of Notice of Allowance for U.S. Appl. No. 11/551,211, mailed September 22, 2010, 4 pgs.	
	NPL579	Copy of Notice of Allowance for U.S. Appl. No. 11/551,204, mailed January 11, 2011, 4 pgs.	
	NPL580	Copy of Notice of Allowance for U.S. Appl. No. 11/553,419, mailed September 22, 2010, 4 pgs.	
	NPL581	Copy of Non-Final Office Action for U.S. Appl. No. 11/400,008, mailed November 23, 2010, 7 pgs.	
	NPL582	Copy of Notice of Allowance for U.S. Appl. No. 11/651,365, mailed February 4, 2010, 8 pgs.	
	NPL583	Copy of Notice of Allowance for U.S. Appl. No. 11/651,365, mailed November 19, 2009, 8 pgs.	

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	NPL584	Copy of Non-Final Office Action for U.S. Appl. No. 09/969,987, mailed August 27, 2010, 13 pgs.	
	NPL585	Copy of Final Office Action for U.S. Appl. No. 09/969,987, mailed January 28, 2010, 11 pgs.	
	NPL586	Copy of Notice of Allowance for U.S. Appl. No. 12/131,631, mailed June 22, 2010, 5 pgs.	
	NPL587	Copy of Final Office Action for U.S. Appl. No. 11/400,008, mailed October 30, 2009, 7 pgs.	
	NPL588	Copy of Final Office Action for U.S. Appl. No. 11/400,008, mailed May 11, 2010, 7 pgs.	
	NPL589	Copy of Notice of Allowance for U.S. Appl. No 11/551,204, mailed September 30, 2010; 4 pages	
	NPL590	Copy of Non-Final Office Action for U.S. Appl. No.11/551,204, mailed June 16, 2009, 5 pgs.	
	NPL591	Copy of Notice of Allowance for U.S. Appl. No. 11/551,204, mailed June 21, 2010, 4 pgs.	
	NPL592	Copy of Non-Final Office Action for U.S. Appl. No.11/551,204, mailed September 22, 2008, 9 pgs.	
	NPL593	Copy of Notice of Allowance for U.S. Appl. No. 11/551,204, mailed January 27, 2010, 4 pgs.	

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				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	69	of	94		

NON PATENT LITERATURE DOCUMENTS			
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	NPL594	Copy of Non-Final Office Action for U.S. Appl. No.12/690,125, mailed September 21, 2010, 12 pgs.	
	NPL595	Copy of Notice of Allowance for U.S. Appl. No 11/553,427, mailed March 24, 2011, 5 pages	
	NPL596	Copy of Notice of Allowance for U.S. Appl. No 12/703,042, mailed May 5, 2011, 8 pages.	
	NPL597	Copy of Notice of Allowance for U.S. Appl. No 11/551,211, mailed May 6, 2011, 5 pages	
	NPL598	Copy of Notice of Allowance for U.S. Appl. No 11/553,419, mailed May 20, 2011, 5 pages	
	NPL599	Copy of Final Office Action for U.S. Appl. No. 09/969,987, mailed May 24, 2011, 17 pgs.	
	NPL600	Copy of Notice of Allowance for U.S. Appl. No. 11/553,427, mailed May 31, 2011, 5 pages.	
	NPL601	Copy of Final Office Action for U.S. Appl. No. 12/690,125, mailed June 7, 2011, 11 pages.	
	NPL602	Copy of Final Office Action for U.S. Appl. No. 12/688,413, mailed June 7, 2011, 15 pages.	
	NPL603	Copy of Final Office Action for U.S. Appl. No. 11/400,008, mailed June 27, 2011, 6 pages.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	70	of	94		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL604	Copy of Notice of Allowance for U.S. Appl. No. 11/551,204, mailed July 11, 2011, 5 pages.	
	NPL605	Copy of Notice of Allowance for U.S. Appl. No. 12/684,624, mailed July 25, 2011, 5 pages.	
	NPL606	Copy of Non-Final Office Action for U.S. Appl. No. 12/703,042, mailed July 28, 2011, 5 pages.	
	NPL607	Copy of Non-Final Office Action for U.S. Appl. No. 12/857,238, mailed August 10, 2011, 6 pages.	
	NPL608	Copy of Non-Final Office Action for U.S. Appl. No. 13/101,994, mailed August 16, 2011, 10 pages.	
	NPL609	Copy of Notice of Allowance for U.S. Appl. No. 11/551,211, mailed August 24, 2011, 5 pages.	
	NPL610	Copy of Notice of Allowance for U.S. Appl. No. 12/684,624, mailed September 1, 2011, 9 pages.	
	NPL611	Copy of Notice of Allowance for U.S. Appl. No. 12/123,081, mailed September 26, 2011, 9 pages.	
	NPL612	Copy of Notice of Allowance for U.S. Appl. No. 11/551,204, mailed September 28, 2011, 5 pages.	
	NPL613	Copy of Notice of Allowance for U.S. Appl. No. 11/551,211, mailed October 18, 2011, 5 pages.	

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				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	71	of	94		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL614	Copy of Non-Final Office Action for U.S. Appl. No. 13/154,239, mailed November 2, 2011, 6 pages.	
	NPL615	Copy of Notice of Allowance for U.S. Appl. No. 12/703,042, mailed November 15, 2011, 8 pages.	
	NPL616	Copy of Non-Final Office Action for U.S. Appl. No. 12/688,413, mailed November 28, 2011, 14 pages.	
	NPL617	Copy of Notice of Allowance for U.S. Appl. No. 12/857,238, mailed December 30, 2011, 5 pages.	
	NPL618	Copy of Notice of Allowance for U.S. Appl. No. 11/400,008, mailed February 6, 2012, 8 pages.	
	NPL619	Copy of Non-Final Office Action for U.S. Appl. No. 12/690,125, mailed March 8, 2012, 7 pages.	
	NPL620	Copy of Notice of Allowance for U.S. Patent Appl. No. 12/703,042, mailed March 30, 2012, 8 pages.	
	NPL621	Copy of Non-Final Office Action for U.S. Appl. No. 09/969,987, mailed April 11, 2012, 6 pages.	
	NPL622	Copy of Notice of Allowance for U.S. Appl. No. 11/553,419, mailed April 23, 2012, 6 pages.	
	NPL623	Copy of Notice of Allowance for U.S. Appl. No. 11/553,427, mailed May 7, 2012, 7 pages.	

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				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	72	of	94		

NON PATENT LITERATURE DOCUMENTS			
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	NPL624	Copy of Non-Final Office Action for U.S. Appl. No. 13/118,122, mailed May 16, 2012, 9 pages.	
	NPL625	Copy of Non-Final Office Action for U.S. Appl. No. 13/101,994, mailed May 23, 2012, 12 pages.	
	NPL626	Copy of Notice of Allowance for U.S. Appl. No. 12/857,238, mailed May 29, 2012, 5 pages.	
	NPL627	Copy of Notice of Allowance for U.S. Appl. No. 11/400,008, mailed June 21, 2012, 8 pages.	
	NPL628	Copy of Final Office Action for U.S. Appl. No. 13/154,239, mailed June 26, 2012, 14 pages.	
	NPL629	Copy of Notice of Allowance for U.S. Appl. No. 12/857,238, mailed July 12, 2012, 5 pages.	
	NPL630	Copy of Notice of Allowance for U.S. Appl. No. 12/703,042, mailed July 16, 2012, 8 pages.	
	NPL631	Copy of Non-Final Office Action for U.S. Appl. No. 13/482,800, mailed July 20, 2012, 14 pages.	
	NPL632	Copy of Notice of Allowance for U.S. Appl. No. 11/553,427, mailed November 6, 2012, 5 pages.	
	NPL633	Copy of Notice of Allowance for U.S. Appl. No. 12/703,042, mailed November 15, 2012, 9 pages.	

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				Examiner Name	BOCURE, Tesfaldet
Sheet	73	of	94	Attorney Docket Number	2855.0050007

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	NPL634	Copy of Non-Final Office Action for U.S. Appl. No. 12/857,238, mailed November 29, 2012, 17 pages.	
	NPL635	Copy of Final Office Action for U.S. Appl. No. 09/969,987, mailed December 4, 2012, 7 pages.	
	NPL636	Copy of Final Office Action for U.S. Appl. No. 13/101,994, mailed December 13, 2012, 5 pages.	
	NPL637	Copy of Supplemental Notice of Allowability for U.S. Appl. No. 12/703,042, mailed December 18, 2012, 6 pages.	
	NPL638	Copy of Notice of Allowance for U.S. Appl. No. 12/690,125, mailed December 28, 2012, 5 pages.	
	NPL639	Copy of Final Office Action for U.S. Appl. No. 13/118,122, mailed January 9, 2013, 11 pages.	
	NPL640	Copy of Non-Final Office Action for U.S. Appl. No. 11/553,419, mailed January 15, 2013, 4 pages.	
	NPL641	Copy of Non-Final Office Action for U.S. Appl. No. 13/482,800, mailed February 19, 2013, 15 pages.	
	NPL642	Copy of Notice of Allowance for U.S. Appl. No. 12/703,042, mailed March 4, 2013, 9 pages.	
	NPL643	Copy of Non-Final Office Action for U.S. Appl. No. 12/690,125, mailed April 15, 2013, 11 pages.	

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	NPL644	Copy of Notice of Allowance for U.S. Appl. No. 13/154,239, mailed April 24, 2013, 10 pages.	
	NPL645	Copy of Notice of Allowance for U.S. Appl. No. 11/553,427, mailed May 14, 2013, 6 pages.	
	NPL646	Copy of Supplemental Notice of Allowance for U.S. Appl. No. 11/553,427, mailed May 15, 2013, 6 pages.	
	NPL647	Copy of Notice of Allowance for U.S. Appl. No. 12/857,238, mailed June 17, 2013, 6 pages.	
	NPL648	Copy of Supplemental Notice of Allowance for U.S. Appl. No. 12/703,042, mailed June 18, 2013, 6 pages.	
	NPL649	Copy of Supplemental Notice of Allowance for U.S. Appl. No. 11/553,427, mailed July 2, 2013, 2 pages.	
	NPL650	Copy of Non-Final Office Action for U.S. Appl. No. 09/969,987, mailed July 3, 2013, 8 pages.	
	NPL651	Copy of Notice of Allowance for U.S. Appl. No. 13/154,211, mailed July 11, 2013, 10 pages.	
	NPL652	Copy of Non-Final Office Action for U.S. Appl. No. 13/118,122, mailed July 19, 2013, 12 pages.	
	NPL653	Copy of Notice of Allowance for U.S. Appl. No. 13/154,239, mailed August 2, 2013, 9 pages.	

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				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
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NON PATENT LITERATURE DOCUMENTS			
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	NPL654	Copy of Notice of Allowance for U.S. Appl. No. 13/118,122, mailed September 19, 2013, 6 pages.	
	NPL655	Copy of Notice of Allowance for U.S. Appl. No. 11/553,419, mailed October 17, 2013, 7 pages.	
	NPL656	Copy of Notice of Allowance for U.S. Appl. No. 12/857,238, mailed October 23, 2013, 7 pages.	
	NPL657	Copy of Notice of Allowance for U.S. Appl. No. 13/154,211, mailed October 24, 2013, 9 pages.	
	NPL658	Copy of Final Office Action for U.S. Appl. No. 13/482,800, mailed October 25, 2013, 21 pages.	
	NPL659	International Search Report for PCT/US00/42018, mailed July 31, 2001, 3 pages.	
	NPL660	International Search Report for PCT/US01/03712, mailed May 10, 2002, 2 pages.	
	NPL661	International Search Report for PCT/US01/03711, mailed January 28, 2001, 5 pages.	
	NPL662	Copy of submission of prior art under 37 CFR 1.501, for U.S. Pat. No. 6,604,158, March 3, 2011, 5 pgs.	
	NPL663	Copy of submission of prior art under 37 CFR 1.501, for U.S. Pat. No. 7,415,530, March 3, 2011, 14 pgs.	

Examiner Signature	/Tesfaldet Bocure/	Date Considered	02/22/2014
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				Examiner Name	BOCURE, Tesfaldet
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	NPL664	Copy of submission of prior art under 37 CFR 1.501, for U.S. Pat. No. 6,601,104, March 3, 2011, 5 pgs.	
	NPL665	Copy of submission of prior art under 37 CFR 1.501, for U.S. Pat. No. 7,161,506, March 3, 2011, 12 pgs.	
	NPL666	Copy of submission of prior art under 37 CFR 1.501, for U.S. Pat. No. 7,395,345, March 3, 2011, 14 pgs.	
	NPL667	Copy of submission of prior art under 37 CFR 1.501, for U.S. Pat. No. 7,321,937, March 3, 2011, 14 pgs.	
	NPL668	Copy of submission of prior art under 37 CFR 1.501, for U.S. Pat. No. 7,352,300, March 3, 2011, 14 pgs.	
	NPL669	Copy of submission of prior art under 37 CFR 1.501, for U.S. Pat. No. 7,378,992, March 3, 2011, 14 pgs.	
	NPL670	Ex Parte Reexamination Interview Summary, mailed December 3, 2009, for U.S. Reexam App. No. 90/009,428, 4 pgs.	
	NPL671	Request for Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, filed December 30, 2010, 696 pages.	
	NPL672	Replacement Request for Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, filed March 1, 2011, 357 pages.	
	NPL673	L. Gannoun, "RTP Payload Format for X Protocol Media Streams," Audio-Visual Transport WG Internet Draft, Internet Engineering Task Force, March 11, 1998, 15 pgs.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Comcast - Exhibit 1002, page 401

Substitute for form 1449/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	14/033,245
			Filing Date	September 20, 2013
			First Named Inventor	James J. FALLON
			Art Unit	2634
			Examiner Name	BOCURE, Tesfaldet
			Attorney Docket Number	2855.0050007
Sheet	77	of	94	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL674	Official Order Granting Request for Inter Partes Reexamination of U.S. Pat. No. 6,624,761, Control No. 95/000,464, issued July 24, 2009, 29 pgs.	
	NPL675	Non-Final Office Action in Inter Partes Reexamination of U.S. Pat. No. 6,624,761, Control No. 95/000,464, issued December 15, 2009, 20 pgs.	
	NPL676	Non-Final Office Action in Inter Partes Reexamination of U.S. Pat. No. 7,321,937, Control No. 95/000,466, issued June 22, 2009, 11 pgs.	
	NPL677	Official Order Granting Request for Inter Partes Reexamination of U.S. Pat. No. 7,321,937, Control No. 95/000,466, issued June 22, 2009, 16 pgs.	
	NPL678	Official Action Closing Prosecution for Inter Partes Reexamination of U.S. Pat. No. 7,321,937, Control No. 95/000,466, issued December 22, 2009, 20 pgs.	
	NPL679	Comments by Third Party Requester to Patent Owner's Response Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/000,466, filed November 10, 2009, 30 pgs.	
	NPL680	Supplemental Declaration of Professor James A. Storer, Ph.D. under 37 C.F.R. §1.132 in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/000,466, executed on November 10, 2009, 16 pgs.	
	NPL681	Examiner Interview Summary in Ex Parte Reexamination of U.S. Pat. No. 6,601,104, Control No. 90/009,428, issued December 3, 2009, 3 pgs.	
	NPL682	Non-Final Office Action in Ex Parte Reexamination of U.S. Pat. No. 6,601,104, Control No. 90/009,428, issued November 2, 2009, 13 pgs.	
	NPL683	Official Order Granting Request for Ex Parte Reexamination of U.S. Pat. No. 6,601,104, Control No. 90/009,428, issued June 1, 2009, 12 pgs.	

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Comcast - Exhibit 1002, page 402

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	78	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL684	Declaration of Dr. George T. Ligler under 37 C.F.R. §1.132 in Ex Parte Reexamination of U.S. Pat. No. 6,601,104, Control No. 90/009,428, executed December 28, 2009 16 pgs.	
	NPL685	Supplementary Declaration of Dr. George T. Ligler under 37 C.F.R. §1.132 in Ex Parte Reexamination of U.S. Pat. No. 6,601,104, Control No. 90/009,428, executed December 30, 2009 1 pg.	
	NPL686	Declaration of Dr. George T. Ligler under 37 C.F.R. §1.132 in Inter Partes Reexamination of U.S. Pat. No. 7,321,937, Control No. 95/000,466, executed August 24, 2009, 30 pgs.	
	NPL687	Official Order Granting Request for Inter Partes Reexamination of U.S. Pat. No. 7,161,506, Control No. 95/000,479, issued August 14, 2009, 41 pgs.	
	NPL688	Non-Final Office Action in Inter Partes Reexamination of U.S. Pat. No. 7,161,506, Control No. 95/000,479, issued December 15, 2009, 37 pgs.	
	NPL689	Official Order Granting Request for Inter Partes Reexamination of U.S. Pat. No. 7,378,992, Control No. 95/000,478, issued August 13, 2009, 60 pgs.	
	NPL690	Non-Final Office Action in Inter Partes Reexamination of U.S. Pat. No. 7,378,992, Control No. 95/000,478, issued December 15, 2009, 27 pgs.	
	NPL691	Official Order Granting Request for Inter Partes Reexamination of U.S. Pat. No. 6,604,158 Control No. 95/000,486, issued August 14, 2009, 35 pgs.	
	NPL692	Non-Final Office Action in Inter Partes Reexamination of U.S. Pat. No. 6,604,158, Control No. 95/000,486, issued November 12, 2009, 199 pgs.	
	NPL693	Right of Appeal Notice in Inter Partes Reexamination of U.S. Pat. No. 6,624,761, Control No. 95/000,464, issued January 6, 2011, 15 pgs.	

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Comcast - Exhibit 1002, page 403

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	79	of	94		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL694	Action Closing Prosecution in Inter Partes Reexamination of U.S. Pat. No. 6,624,761, Control No. 95/000,464, issued August 27, 2010, 25 pgs.	
	NPL695	Right of Appeal Notice in Inter Partes Reexamination of U.S. Pat. No. 7,321,937, Control No. 95/000,466, issued May 24, 2010, 23 pgs.	
	NPL696	Final Office Action in Ex Parte Reexamination of U.S. Pat. No. 6,601,104, Control No. 90/009,428, issued February 5, 2010, 16 pgs.	
	NPL697	Right of Appeal Notice for Inter Partes Reexamination of U.S. Pat. No. 7,161,506, Control No. 95/000,479, issued January 6, 2011, 18 pgs.	
	NPL698	Action Closing Prosecution in Inter Partes Reexamination of U.S. Pat. No. 7,161,506, Control No. 95/000,479, issued August 27, 2010, 34 pgs.	
	NPL699	Right of Appeal Notice for Inter Partes Reexamination of U.S. Pat. No. 7,378,992, Control No. 95/000,478, issued January 6, 2011, 15 pgs.	
	NPL700	Action Closing Prosecution in Inter Partes Reexamination of U.S. Pat. No. 7,378,992, Control No. 95/000,478, issued August 23, 2010, 31 pgs.	
	NPL701	Action Closing Prosecution in Inter Partes Reexamination of U.S. Pat. No. 6,604,158 Control No. 95/000,486, issued March 7, 2011, 257 pgs.	
	NPL702	Patent Owner's reply to Office Action in Inter Partes Reexamination of U.S. Patent No. 7,378,992, mailed March 15, 2010, 23 pages.	
	NPL703	Patent Owner's Reply to Office Action in Inter Partes Reexamination of U.S. Patent No. 7,161,506, mailed March 15, 2010, 23 pages.	

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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	80	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL704	Patent Owner's Reply to Action Closing Prosecution of August 23, 2010 in Inter Partes Reexamination of U.S. Patent 7,378,992, mailed September 23, 2010, 23 pages.	
	NPL705	Patent Owner's Reply to Action Closing Prosecution of August 27, 2010 in Inter Partes Reexamination of U.S. Patent No. 7,161,506, mailed September 27, 2010, 26 pages.	
	NPL706	Patent Owner's reply to Action Closing Prosecution of August 27, 2010 in Inter Partes Reexamination of U.S. Patent No. 6,624,761, mailed September 27, 2010, 20 pages.	
	NPL707	Corrected Request for Inter Partes Reexamination of U.S. Patent No. 6,624,761, filed June 15, 2009, 241 pages.	
	NPL708	Request for Inter Partes Reexamination of U.S. Patent No. 7,378,992, filed May 21, 2009, 255 pages.	
	NPL709	Request for Inter Partes Reexamination of U.S. Patent No. 7,161,506, filed May 28, 2009, 455 pages.	
	NPL710	Request for Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, filed March 21, 2011, 2,136 pages.	
	NPL711	Request for Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, filed February 14, 2011, 420 pages.	
	NPL712	Action Closing Prosecution in Inter Partes Reexamination of U.S. Pat. No. 7,321,937, Control No. 95/000,466 issued December 22, 2009, 20 pages.	
	NPL713	Order Granting request for inter partes reexamination of U.S. Patent No. 7,400,274 and Non-Final Office Action in Inter Partes reexam of U.S. Patent No. 7,400,274, Control No. 95/001,544, issued March 25, 2011, 47 pages.	

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Comcast - Exhibit 1002, page 405

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	81	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL714	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed May 20, 2011, 47 pages.	
	NPL715	Order Granting Request for Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed June 15, 2011, 22 pages.	
	NPL716	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,553, mailed May 6, 2011, 105 pages.	
	NPL717	Order Granting Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, mailed March 9, 2011, 21 pages.	
	NPL718	Appeal Brief filed in Inter Partes Reexamination of U.S. Patent No. 6,601,104, Control no. 90/009,428, mailed September 2, 2010, 28 pages	
	NPL719	Examiner's Answer to Appeal Brief in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/000,466, mailed July 18, 2011, 33 pages.	
	NPL720	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed July 25, 2011, 274 pages.	
	NPL721	Non-Final Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, mailed September 21, 2011, 29 pages.	
	NPL722	Definition of "data packet", Academic Press Dictionary of Science and Technology, Copyright 1992, 1996, cited by Examiner in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, mailed September 21, 2011, 2 pages.	
	NPL723	Patent Owner's Reply to Office Action in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed September 26, 2011, 44 pages.	

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Comcast - Exhibit 1002, page 406

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	82	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL724	Examiner's Answer to Appeal Brief in Inter Partes Reexamination of U.S. Patent No. 6,624,761, Control No. 95/000,464, mailed September 28, 2011, 20 pages.	
	NPL725	Examiner's Answer to Appeal Brief in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control no. 95/000,479, mailed September 28, 2011, 25 pages.	
	NPL726	Examiner's Answer to Appeal Brief in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/000,478, mailed September 29, 2011, 27 pages.	
	NPL727	Decision on Appeal in Ex parte Reexamination of U.S. Patent No. 6,601,104 B1, Control No. 90/009,428, dated March 18, 2011, 14 pages.	
	NPL728	Patent Owner's Rebuttal Brief Under 37 C.F.R § 41.71 Retracting the Arguments Made to Overcome the Claim Rejections and Thereby Eliminating the Issues on Appeal in Inter Partes Reexamination of U.S. Patent No, 6,624,761, Control No. 95/000,464, dated October 28, 2011, 9 pages.	
	NPL729	Patent Owner's Rebuttal Brief Under 37 C.F.R § 41.71 Retracting the Arguments Made to Overcome the Claim Rejections and Thereby Eliminating the Issues on Appeal in Inter Partes Reexamination of U.S. Patent No, 7,378,992, Control No. 95/000,478, dated October 28, 2011, 10 pages.	
	NPL730	Patent Owner's Rebuttal Brief Under 37 C.F.R § 41.71 Retracting the Arguments Made to Overcome the Claim Rejections and Thereby Eliminating the Issues on Appeal in Inter Partes Reexamination of U.S. Patent No, 7,161,506, Control No. 95/000,479, dated October 28, 2011, 9 pages.	
	NPL731	Non-Final Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed November 18, 2011, 39 pages.	
	NPL732	Non-Final Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed December 9, 2011, 42 pages.	
	NPL733	Patent Owner's Reply to Action Closing Prosecution of November 18, 2011 in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed December 19, 2011, 9 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	83	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL734	Patent Owner's Reply to Action Closing Prosecution of December 9, 2011 in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed December 29, 2011, 14 pages.	
	NPL735	Notice of Intent to Issue Ex Parte Reexamination Certificate in Ex Parte Reexamination of U.S. Patent No. 6,601,104, Control No. 90/009,428, mailed January 13, 2012, 5 pages.	
	NPL736	Decision on Appeal in Inter Partes Reexamination of U.S. Patent No. 6,624,761, Control No. 95/000,464, mailed January 18, 2012, 5 pages.	
	NPL737	Decision on Appeal in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/000,466, mailed January 18, 2012, 8 pages.	
	NPL738	Decision on Appeal in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/000,478, mailed January 18, 2012, 5 pages.	
	NPL739	Decision on Appeal in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/000,479, mailed January 18, 2012, 6 pages.	
	NPL740	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed January 27, 2012, 152 pages.	
	NPL741	Patent Owner's Respondent Brief on Appeal Under 37 C.F.R. § 41.68 in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, filed February 17, 2012, 20 pages.	
	NPL742	Patent Owner's Reply to Second Non-Final Office Action of January 27, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, filed February 24, 2012, 30 pages.	
	NPL743	Ex Parte Reexamination Certificate in Ex Parte Reexamination of U.S. Patent No. 6,601,104, Control No. 90/009,428, issued February 28, 2012, 2 pages.	

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Comcast - Exhibit 1002, page 408

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	84	of	94		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL744	Examiner's Answer to Appeal Brief in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, mailed March 1, 2012, 4 pages.	
	NPL745	Right of Appeal Notice in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed March 1, 2012, 8 pages.	
	NPL746	Right of Appeal Notice in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed March 6, 2012, 7 pages.	
	NPL747	Request for Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, filed March 2, 2012, including accompanying Exhibits PA-A to PA-D, PAT-A to PAT-C, CC-A to CC-D, Oth-A, and Form PTO/SB/08a, 2865 pages.	
	NPL748	Request for Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, filed March 2, 2012, including accompanying Exhibits PA-A to PA-D, PAT-A to PAT-B, CC-A to CC-F, Oth-A, and Form PTO/SB/08a, 560 pages.	
	NPL749	Request for Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,924, filed March 2, 2012, including accompanying Exhibits PA-A to PA-H, PAT-A to PAT-B, CC-A to CC-F, Oth-A, and Form PTO/SB/08a, 1012 pages.	
	NPL750	Request for Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, filed March 2, 2012, including accompanying Exhibits PA-A to PA-C, PAT-A, CC-A to CC-C, Oth-A, and Form PTO/SB/08a, 204 pages.	
	NPL751	Request for Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, filed March 2, 2012, with accompanying Exhibits PA-A to PA-C, PAT-A to PAT-C, CC-A to CC-B, Oth-A to Oth-B, and Form PTO/SB/08a, 2651 pages.	
	NPL752	Request for Inter Partes Reexamination of U.S. Patent No. 7,415,530, Control No. 95/001,927, filed March 2, 2012, including accompanying Exhibits PA-A to PA-F, PAT-A to PAT-B, CC-A to CC-O, Oth-A, and Form PTO/SB/08a, 700 pages.	
	NPL753	Request for Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, filed March 2, 2012, including Exhibits PA-A to PA-D, PAT-A to PAT-C, CC-A to CC-B, Oth-A, and Form PTO/SB/08a, 2316 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Comcast - Exhibit 1002, page 409

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	85	of	94		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL754	Official Order Granting Request for Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, mailed March 19, 2012, 11 pages.	
	NPL755	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, mailed March 19, 2012, 20 pages.	
	NPL756	Notice of Intent to Issue Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/000,466, mailed March 21, 2012, 7 pages.	
	NPL757	Right of Appeal Notice for Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/000,486, mailed March 26, 2012, 253 pages.	
	NPL758	Notice of Intent to Issue Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 6,624,761, Control No. 95/000,464, mailed April 3, 2012, 7 pages.	
	NPL759	Notice of Intent to Issue Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/000,479, mailed April 4, 2012, 15 pages.	
	NPL760	Notice of Intent to Issue Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/000,478, mailed April 6, 2012, 5 pages.	
	NPL761	Official Order Granting Request for Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control no. 95/001,922, mailed April 20, 2012, 17 pages.	
	NPL762	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, mailed April 20, 2012, 8 pages.	
	NPL763	Official Order Granting Request for Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, mailed April 25, 2012, 9 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Comcast - Exhibit 1002, page 410

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	86	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL764	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, mailed April 25, 2012, 7 pages.	
	NPL765	Official Order Granting Request for Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, mailed April 25, 2012, 8 pages.	
	NPL766	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, mailed April 25, 2012, 8 pages.	
	NPL767	Official Order Denying Request for Inter Partes Reexamination of U.S. Patent No. 7,415,530, Control No. 95/001,927, mailed April 27, 2012, 52 pages.	
	NPL768	Official Order Granting Request for Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, mailed May 7, 2012, 14 pages.	
	NPL769	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, mailed May 7, 2012, 8 pages.	
	NPL770	Petition Under 37 C.F.R. §§ 1.181 and 1.182 for Correction of Notice of Intent to Issue Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/000,478, filed May 9, 2012, 8 pages.	
	NPL771	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/000,466, issued May 15, 2012, 2 pages.	
	NPL772	Official Order Granting Request for Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,924, mailed May 17, 2012, 12 pages.	
	NPL773	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,924, mailed May 17, 2012, 18 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Comcast - Exhibit 1002, page 411

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	87	of	94

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	NPL774	Patent Owner's Response to Office Action of March 19, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, filed May 21, 2012, 21 pages.	
	NPL775	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/000,479, issued May 22, 2012, 2 pages.	
	NPL776	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 6,624,761, Control No. 95/000,464, issued June 12, 2012, 2 pages.	
	NPL777	Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed June 18, 2012, 45 pages.	
	NPL778	Patent Owner's Response to Office Action of April 20, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, filed June 20, 2012, 11 pages.	
	NPL779	Patent Owner's Response to Office Action of April 25, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, filed June 25, 2012, 20 pages.	
	NPL780	Patent Owner's Response to Office Action of April 25, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, filed June 25, 2012, 20 pages.	
	NPL781	Patent Owner's Response to Office Action of May 7, 2012 in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, filed July 9, 2012, 19 pages.	
	NPL782	Patent Owner's Response to Office Action of May 17, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control. No. 95/001,924, filed July 17, 2012, 31 pages.	
	NPL783	New Decision on Appeal after Board Decision in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control. No. 95/001,517, mailed July 24, 2012, 24 pages.	

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Comcast - Exhibit 1002, page 412

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	88	of	94

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL784	Right of Appeal Notice for Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed August 3, 2012, 7 pages.	
	NPL785	Notice of Intent to Issue Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/000,486, mailed August 30, 2012, 5 pages.	
	NPL786	Notice of Intent to Issue Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/000,478, mailed August 31, 2012, 6 pages.	
	NPL787	Decision on Petition for Supervisory Review of Refusal to Order Reexamination for Claims 1-2, 16-21, and 23 (37 CFR §§ 1.927 and 1.181) in Inter Partes Reexamination of U.S. Patent No. 7,415,530, Control No. 95/001,927, mailed August 31, 2012, 10 pages.	
	NPL788	Decision on Petition Under 37 C.F.R. §§ 1.181 and 1.182 for Correction of Notice of Intent to Issue Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/000,478, mailed September 10, 2012, 6 pages.	
	NPL789	Decision on Petition for Supervisory Review of Refusal to Order Reexamination of Claims 5-7, 14-16, and 18-19 (37 CFR §§ 1.927 and 1.181) in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, mailed September 10, 2012, 12 pages.	
	NPL790	Decision on Petition for Supervisory Review of Refusal to Order Reexamination for Claims 86, 89, 90, 92-96, and 98 (37 CFR §§ 1.927 and 1.181) in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, mailed September 21, 2012, 10 pages.	
	NPL791	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,415,530, Control No. 95/001,927, mailed September 21, 2012, 15 pages.	
	NPL792	Patent Owner's Request to Reopen Prosecution Before the Examiner Under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, filed September 24, 2012, 29 pages.	
	NPL793	Examiner's Answer to Appeal Brief in Ex Parte Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed October 1, 2012, 17 pages.	

Examiner Signature	/Tesfaldet Bocure/	Date Considered	02/22/2014
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Comcast - Exhibit 1002, page 413

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	89	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL794	Inter Partes Reexam Certificate in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/000,478, issued October 4, 2012, 2 pages.	
	NPL795	Inter Partes Reexam Certificate in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/000,486, issued October 10, 2012, 2 pages.	
	NPL796	Examiner's Answer to Appcal Brief in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed October 15, 2012, 44 pages.	
	NPL797	Non-Final Office Action in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, mailed October 18, 2012, 10 pages.	
	NPL798	Patent Owner's Rebuttal Brief Under 37 C.F.R § 41.71 in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, filed November 15, 2012, 15 pages.	
	NPL799	Patent Owner's Response to Office Action of October 18, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, filed November 19, 2012, 30 pages.	
	NPL800	Patent Owner's Supplemental Amendment Subsequent to Timely Submission of Response to Office Action of October 18, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, filed November 27, 2012, 6 pages.	
	NPL801	Patent Owner's Response to Office Action of September 21, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,415,530, Control No. 95/001,927, filed December 21, 2012, 51 pages.	
	NPL802	Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, mailed March 5, 2013, 23 pages.	
	NPL803	Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, mailed March 5, 2013, 29 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Comcast - Exhibit 1002, page 414

Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	90	of	94

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL804	Examiner's Answer to Appeal Brief in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed March 14, 2013, 21 pages.	
	NPL805	Decision on Petition to Strike Patent Owner's Rebuttal Brief in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed March 15, 2013, 7 pages.	
	NPL806	Order Remanding Inter Partes Reexamination Under 37 C.F.R. § 41.77(d) to the Examiner in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, mailed March 18, 2013, 3 pages.	
	NPL807	Decision on Petition Under 37 C.F.R. § 1.183 to Request Examiner Enter Evidence in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed March 20, 2013, 7 pages.	
	NPL808	Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,415,530, Control No. 95/001,927, mailed April 3, 2013, 24 pages.	
	NPL809	Patent Owner's Reply to Action Closing Prosecution of March 5, 2013 in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, filed April 5, 2013, 19 pages.	
	NPL810	Patent Owner's Reply to Action Closing Prosecution of March 5, 2013 in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, filed April 5, 2013, 23 pages.	
	NPL811	Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, mailed April 9, 2013, 59 pages.	
	NPL812	"Data Transfer Rate (DTR)," accessed at http://searchunifiedcommunications.techtarget.com/definition/data-transfer-rate , published May 18, 2011, 1 page.	
	NPL813	"Bandwidth - technical definition," accessed at http://computer.yourdictionary.com/bandwidth , accessed on March 7, 2013, 4 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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Comcast - Exhibit 1002, page 415

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	91	of	94		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL814	"Bandwidth - Definition," accessed at http://www.yourdictionary.com/bandwidth , accessed on March 7, 2013, 2 pages.	
	NPL815	"Bandwidth," accessed at http://searchenterprisewan.techtarget.com/definitions/bandwidth , published March 24, 2010, 1 page.	
	NPL816	Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,924, mailed April 9, 2013, 30 pages.	
	NPL817	Examiner's Determination Under 37 C.F.R. § 41.77(d) in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, mailed April 10, 2013, 7 pages.	
	NPL818	Patent Owner's Supplemental Response to Office Action of May 7, 2012 in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, filed April 29, 2013, 20 pages.	
	NPL819	Patent Owner's Supplemental Response to Office Action of March 19, 2012 in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, filed May 6, 2013, 24 pages.	
	NPL820	Patent Owner's Response to Action Closing Prosecution of April 9, 2013 in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, filed May 9, 2013, 13 pages.	
	NPL821	Patent Owner's Response to Action Closing Prosecution of April 9, 2013 in Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,924, filed May 9, 2013, 29 pages.	
	NPL822	Patent Owner's Comments in Response to Examiner's Determination Under 37 C.F.R. § 41.77(e) in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, filed May 10, 2013, 20 pages.	
	NPL823	Patent Owner's Supplemental Response to Action Closing Prosecution of April 9, 2013 in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, filed May 15, 2013, 13 pages.	

Examiner Signature	/Tesfaldet Bocure/	Date Considered	02/22/2014
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Comcast - Exhibit 1002, page 416

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	92	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL824	Right of Appeal Notice in Inter Partes Reexamination of U.S. Patent No. 7,415,530, Control No. 95/001,927, mailed May 31, 2013, 26 pages.	
	NPL825	Petition Under 37 C.F.R. § 1.181 to Expunge Third Party Requester's Improper Submission of Declarations Under 37 C.F.R. § 1.132 and Strike Comments Directed to Examiner's Determination in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, filed June 26, 2013, 6 pages.	
	NPL826	Notice of Intent to Issue A Reexam Certificate in Inter Partes Reexamination of U.S. Patent No. 7,415,530, Control No. 95/001,927, mailed July 19, 2013, 5 pages.	
	NPL827	Right of Appeal Notice in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, mailed August 15, 2013, 12 pages.	
	NPL828	Right of Appeal Notice in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, mailed August 16, 2013, 11 pages.	
	NPL829	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,415,530, Control No. 95/001,927, issued August 16, 2013, 2 pages.	
	NPL830	Right of Appeal Notice in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, mailed August 16, 2013, 11 pages.	
	NPL831	Right of Appeal Notice in Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,925, mailed August 29, 2013, 23 pages.	
	NPL832	Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, mailed September 20, 2013, 47 pages.	
	NPL833	Decision on Petition(s) Decided Under 37 C.F.R. 1.181 in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, mailed September 23, 2013, 3 pages.	

Examiner Signature	/Tsfaldet Bocure/	Date Considered	02/22/2014
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Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL834	Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, mailed October 2, 2013, 18 pages.	
	NPL835	Patent Owner's Reply to Action Closing Prosecution of September 20, 2013 in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, filed October 21, 2013, 9 pages.	
	NPL836	Decision on Appeal in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed November 1, 2013, 18 pages.	
	NPL837	Decision on Appeal in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed November 1, 2013, 12 pages.	
	NPL838	Decision on Appeal in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed November 1, 2013, 15 pages.	
	NPL839	Patent Owner's Reply to Action Closing Prosecution of October 2, 2013 in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, filed November 4, 2013, 9 pages.	
	NPL840	Notice of Intent to Issue A Reexam Certificate in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, mailed November 13, 2013, 8 pages.	
	NPL841	Court Docket History for 6:10-cv-00493-LED-JDL, Realtime Data, LLC d/b/a IXO, v. T-Mobile, USA Inc., dated July 8, 2013, 77 pages.	
	NPL842	Court Docket History for 1:11-cv-06696-RJH, Realtime Data, LLC d/b/a IXO, v. Morgan Stanley et al., dated July 8, 2013, 80 pages.	
	NPL843	Court Docket History for 1:11-cv-06697-UA, Realtime Data, LLC d/b/a IXO, v. CME Group Inc. et al., dated July 8, 2013, 105 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Comcast - Exhibit 1002, page 418

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	94	of	94	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL844	Court Docket History for 1:11-cv-06698-UA, Realtime Data, LLC d/b/a IXO, v. Thomson Reuters et al., dated July 8, 2013, 59 pages.	
	NPL845	U.S. Patent Application No. 14/035,561, James J. FALLON, "Data Compression Systems and Methods," filed September 24, 2013.	
	NPL846	U.S. Patent Application No. 14/035,712, FALLON et al., "Methods for Encoding and Decoding Data," filed September 24, 2013.	
	NPL847	U.S. Patent Application No. 14/035,716, FALLON et al., "Methods for Encoding and Decoding Data," filed September 24, 2013.	
	NPL848	U.S. Patent Application No. 14/035,719, FALLON et al., "Methods for Encoding and Decoding Data," filed September 24, 2013.	

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Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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EAST Search History

EAST Search History (Prior Art)

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EAST Search History

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Index of Claims 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	12/03/2013	02/22/2014						
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Substitute for form 1449/PTO				Complete if Known	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
				Attorney Docket Number	2855.0050007
Sheet	1	of	4		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	Opinion, with Errata, filed in Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al., Case Nos. 13-1092, -1093, -1095, -1097, -1098, -1099, -1100, -1101, and -1103, United States Court of Appeals for the Federal Circuit, filed January 27, 2014, 41 pages.	
	NPL2	Copy of Supplemental Notice of Allowability for U.S. Appl. No. 13/154,211, mailed November 26, 2013, 4 pages.	
	NPL3	Copy of Notice of Allowance for U.S. Appl. No. 13/101,994, mailed December 2, 2013, 7 pages.	
	NPL4	Copy of Notice of Allowance for U.S. Appl. No. 11/553,419, mailed December 18, 2013, 6 pages.	
	NPL5	Copy of Supplemental Notice of Allowability for U.S. Appl. No. 13/154,211, mailed December 19, 2013, 4 pages.	
	NPL6	Copy of Non-Final Office Action for U.S. Appl. No. 14/035,716, mailed December 20, 2013, 12 pages.	
	NPL7	Copy of Notice of Allowance for U.S. Appl. No. 14/035,712, mailed December 20, 2013, 8 pages.	
	NPL8	Copy of Non-Final Office Action for U.S. Appl. No. 14/035,719, mailed December 20, 2013, 11 pages.	
	NPL9	Copy of Final Office Action for U.S. Appl. No. 12/690,125, mailed December 27, 2013, 12 pages.	
	NPL10	Copy of Corrected Notice of Allowability for U.S. Appl. No. 11/553,419, mailed January 14, 2014, 2 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	2	of	4	Attorney Docket Number	2855.0050007
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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published			T ²
	NPL11	Copy of Notice of Allowance for U.S. Appl. No. 14/035,561, mailed January 16, 2014, 9 pages.			
	NPL12	Copy of Corrected Notice of Allowability for U.S. Application No. 11/553,419, mailed January 31, 2014, 2 pages.			
	NPL13	Copy of Non-Final Office Action for U.S. Appl. No. 13/118,122, mailed February 19, 2014, 23 pages.			
	NPL14	Notice of Intent to Issue an Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, mailed November 21, 2013, 10 pages.			
	NPL15	Notice of Intent to Issue an Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, mailed November 27, 2013, 10 pages.			
	NPL16	Patent Owner's Request to Reopen Prosecution Before the Examiner under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, filed December 2, 2013, 41 pages.			
	NPL17	Patent Owner's Request to Reopen Prosecution Before the Examiner under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, filed December 2, 2013, 57 pages.			
	NPL18	Patent Owner's Request to Reopen Prosecution Before the Examiner under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, filed December 2, 2013, 33 pages.			
	NPL19	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,321,937, Control No. 95/001,922, mailed December 5, 2013, 2 pages.			
	NPL20	Patent Owner's Petition Under 37 C.F.R. § 1.182 in Opposition to CME Group's Petition to Strike Patent Owner's Proposed New Claims, in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed January 2, 2014, 8 pages.			

Examiner Signature	/Tesfaldet Bocure/	Date Considered	02/22/2014
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	3 of 4		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL21	Patent Owner's Petition Under 37 C.F.R. § 1.182 in Opposition to CME Group's Petition to Strike Patent Owner's Proposed New Claims, in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed January 2, 2014, 8 pages.	
	NPL22	Patent Owner's Petition Under 37 C.F.R. § 1.182 in Opposition to CME Group's Petition to Strike Patent Owner's Proposed New Claims, in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed January 2, 2014, 10 pages.	
	NPL23	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,161,506, Control No. 95/001,926, mailed January 8, 2014, 2 pages.	
	NPL24	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, mailed January 8, 2014, 3 pages.	
	NPL25	Examiner's Determination Under 37 C.F.R. § 41.77(d) in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, mailed January 14, 2014, 11 pages.	
	NPL26	Patent Owner's Petition Under 37 C.F.R. § 1.181 to Strike Third Party Requester's Improper Response Under 37 C.F.R. § 41.77(c), in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed January 22, 2014, 3 pages.	
	NPL27	Patent Owner's Petition Under 37 C.F.R. § 1.181 to Strike Third Party Requester's Improper Response Under 37 C.F.R. § 41.77(c), in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed January 22, 2014, 3 pages.	
	NPL28	Patent Owner's Petition Under 37 C.F.R. § 1.181 to Strike Third Party Requester's Improper Response Under 37 C.F.R. § 41.77(c), in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed January 22, 2014, 3 pages.	
	NPL29	Patent Owner's Petition Under 37 C.F.R. § 1.181 to Strike Third Party Requester's Improper Response Under 37 C.F.R. § 1.132, in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed January 22, 2014, 3 pages.	
	NPL30	Patent Owner's Petition Under 37 C.F.R. § 1.181 to Strike Third Party Requester's Improper Response Under 37 C.F.R. § 1.132, in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed January 22, 2014, 3 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Substitute for form 1449/PTO				Complete if Known	
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Tesfaldet
Sheet	4	of	4	Attorney Docket Number	2855.0050007

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number, publisher, city and/or country where published	T ²
	NPL31	Patent Owner's Petition Under 37 C.F.R. § 1.181 to Strike Third Party Requester's Improper Response Under 37 C.F.R. § 1.132, in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed January 22, 2014, 3 pages.	
	NPL32	Patent Owner's Request For Rehearing Under 37 C.F.R. § 41.79, in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, filed February 14, 2014, 11 pages.	
	NPL33	Court Docket History for 6:10-cv-00493-LED-JDL, Realtime Data, LLC d/b/a IXO, v. T-Mobile, USA Inc., downloaded January 30, 2014, 78 pages.	
	NPL34	Court Docket History for 1:11-cv-06696-RJH, Realtime Data, LLC d/b/a IXO, v. Morgan Stanley et al., downloaded January 30, 2014, 80 pages.	
	NPL35	Court Docket History for 1:11-cv-06697-UA, Realtime Data, LLC d/b/a IXO, v. CME Group Inc. et al., downloaded January 30, 2014, 105 pages.	
	NPL36	Court Docket History for 1:11-cv-06698-UA, Realtime Data, LLC d/b/a IXO, v. Thomson Reuters et al., downloaded January 30, 2014, 59 pages.	
	NPL37	U.S. Patent Application No. 14/134,926, FALLON, et al., "System and Methods for Video and Audio Data Distribution," filed December 19, 2013.	
	NPL38	U.S. Patent Application No. 14/134,933, FALLON, et al., "System and Methods for Video and Audio Data Distribution," filed December 19, 2013.	

1814266_1

Examiner Signature	/Tefaldet Bocure/	Date Considered	02/22/2014
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Substitute for form 1449/PTO <div style="text-align: center;">FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <p style="text-align: center;"><i>(Use as many sheets as necessary)</i></p>	Complete if Known Application Number 14/033,245 Filing Date September 20, 2013 First Named Inventor James J. FALLON Art Unit 2634 Examiner Name BOCURE, Tesfaldet Attorney Docket Number 2855.0050007
Sheet 1 of 1	Attorney Docket Number 2855.0050007

U.S. PATENT DOCUMENTS						
Examiner initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	US1	5,784,631		07-21-1998	Wise	
	US2	5,807,036		09-15-1998	Lostlen	
	US3	5,856,797		01-05-1999	Kawauchi	
	US4	6,009,491		12-28-1999	Roppel et al.	
	US5	7,327,287	B2	02-05-2008	Martinian et al.	
	US6	7,711,938	B2	05-04-2010	Wise et al.	
	US7	8,004,431	B2	08-23-2011	Reznik	
	US8	2001/0019630	A1	09-06-2001	Johnson	

FOREIGN PATENT DOCUMENTS							
Examiner initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ -Kind Code ⁵ (if known)				

1814261_1

Examiner Signature	/Tesfaldet Bocure/	Date Considered	02/22/2014
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Comcast - Exhibit 1002, page 430

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 9902
Realtime Data, LLC	Art Unit: 2634
Appl. No.: 14/033,245	Examiner: BOCURE, Tesfaldet
Filed: September 20, 2013	Atty. Docket: 2855.0050007
For: Systems and Methods for Video and Audio Data Storage and Distribution	

Amendment and Reply Under 37 C.F.R. § 1.111

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

In reply to the Office Action dated February 26, 2014 (“Office Action”), Applicant submits the following Amendment and Remarks.

It is not believed extensions of time are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any additional fees required to continue prosecution or appeal of this application (including issue fee, fees for net addition of claims or forwarding to appeal) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments to the Specification

1. Applicant respectfully requests ¶ [0001] of the Specification as filed on September 20, 2013 be amended as follows:

[0001] This application is a continuation of United States Patent Application No. 13/154,239, filed on June 6, 2011, now U.S. Patent No. 8,553,759, which is a continuation of United States Patent Application No. 12/123,081, filed on May 19, 2008, now U.S. Patent No. 8,073,047, which is a continuation of United States Patent Application No. 10/076,013, filed on February 13, 2002, now U.S. Patent No. 7,386,046, which claims the benefit of United States Provisional Application No. 60/268,394, filed on February 13, 2001, each of which is fully incorporated herein by reference in its entirety.

2. Applicant respectfully requests ¶ [0054] of the Specification as filed on September 20, 2013 be amended as follows:

[0054] The present invention is directed to a system and method for compressing and decompressing based on the actual or expected throughput (bandwidth) of a system employing data compression. Although one of ordinary skill in the art could readily envision various implementations for the present invention, a preferred system in which this invention is employed comprises a data storage controller that preferably utilizes a real-time data compression system to provide “accelerated” data storage and retrieval bandwidths. The concept of “accelerated” data storage and retrieval was introduced in ~~co-pending~~ U.S. Patent Application Serial No. 09/266,394, filed March 11, 1999, entitled “System and Methods For Accelerated Data Storage and Retrieval,” now U.S. Patent No. 6,601,104, and ~~co-pending~~ U.S. Patent Application Serial No. 09/481,243, filed January 11, 2000, entitled “System and Methods For Accelerated Data Storage and Retrieval,” now

U.S. Patent No. 6,604,158, both of which are commonly assigned and incorporated herein by reference.

3. Applicant respectfully requests ¶ [0079] of the Specification as filed on September 20, 2013 be amended as follows:

[0079] Further, the present invention can be implemented with a data storage controller utilizing data compression and decompression to provided accelerated data storage and retrieval from a mass storage device. Exemplary embodiments of preferred data storage controllers in which the present invention may be implemented are described, for example, in U.S. Patent Application Serial No. 09/775,905, filed on February 2, 2001, entitled “Data Storewidth Accelerator”, now U.S. Patent No. 6,748,457, which is commonly assigned and fully incorporated herein by reference.

4. Applicant respectfully requests ¶ [0083] of the Specification as filed on September 20, 2013 be amended as follows:

[0083] The storage controller 120 further comprises computer reset and power up circuitry 128 (or “boot configuration circuit”) for controlling initialization (either cold or warm boots) of the host computer system and storage controller 120. A preferred boot configuration circuit and preferred computer initialization systems and protocols are described in U.S. Patent Application Serial No. 09/775,897, filed on February 2, 2001, entitled “System and Methods For Computer Initialization,” now abandoned, which is commonly assigned and incorporated herein by reference. Preferably, the boot configuration circuit 128 is employed for controlling the initializing and programming the programmable logic device 122 during configuration of the host computer system (i.e., while the CPU of the host is held in reset). The boot configuration circuit 128 ensures that the programmable logic device 122 (and possibly other

volatile or partially volatile logic devices) is initialized and programmed before the bus 116 (such as a PCI bus) is fully reset. In particular, when power is first applied to the boot configuration circuit 128, the boot configuration circuit 28 generates a control signal to reset the local system (e.g., storage controller 120) devices such as a DSP, memory, and I/O interfaces. Once the local system is powered-up and reset, the controlling device (such as the DSP 121) will then proceed to automatically determine the system environment and configure the local system to work within that environment. By way of example, the DSP 121 of the disk storage controller 120 would sense that the data storage controller 120 is on a PCI computer bus (expansion bus) and has attached to it a hard disk on an IDE interface. The DSP 121 would then load the appropriate PCI and IDE interfaces into the programmable logic device 122 prior to completion of the host system reset. Once the programmable logic device 122 is configured for its environment, the boot device controller is reset and ready to accept commands over the computer/expansion bus 116.

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method, comprising:

determining a parameter or attribute of at least a portion of a data block having audio or video data;

selecting an access profile from among a plurality of access profiles based ~~[[on]]~~ upon the determined parameter or attribute; and

compressing the at least the portion of the data block with one or more compressors using asymmetric data compression utilizing and information from the selected access profile to create one or more compressed data blocks, the information being indicative of the one or more compressors to apply to the at least the portion of the data block to create the one or more compressed data blocks.

2. (Cancelled)

3. (Currently Amended) ~~[[The]]~~ A method, ~~of claim 1, wherein the compressing comprises~~ comprising:

determining a parameter or attribute of at least a portion of a data block;

selecting an access profile from among a plurality of access profiles based upon the determined parameter or attribute; and

compressing the at least the portion of the data block with one or more compressors utilizing information from the selected access profile to create one or more

compressed data blocks, the information being indicative of the one or more compressors to apply to the at least the portion of the data block,

wherein the one or more compressors utilize slow compress encoders and fast decompress decoders, and

wherein compressing the at least the portion of the data block with the slow compress encoders takes more time than decompressing the at least the portion of the data block with the fast decompress decoders if the time were measured with the slow compress encoders and fast decompress decoders running individually on a common host system.

4. (Currently Amended) The method of claim 1, wherein the data block is from among a plurality of data blocks, and wherein the compressing comprises:

compressing ~~one or more~~ the plurality of data blocks to create the one or more compressed data blocks.

5. (Currently Amended) The method of claim 4, wherein the ~~one or more~~ plurality of data blocks comprises:

one or more files.

6. (Currently Amended) The method of claim ~~[[4]]~~ 1, wherein the one or more compressed data blocks comprise:

one or more files.

7. (Currently Amended) The method of claim 1, further comprising:

storing at least a portion of the one or more compressed data blocks in one or

more files.

8. (Currently Amended) The method of claim 1, further comprising:
storing at least a portion of the one or more compressed data blocks.

9. (Currently Amended) The method of claim 8, further comprising:
retrieving at least a portion of the at least stored portion of the one or more
compressed ~~stored~~ data blocks;
transmitting the at least retrieved portion of the at least stored portion of the
~~compressed~~ one or more compressed data blocks over the Internet; and
decompressing the at least transmitted and ~~compressed~~ portion of the at least
stored portion of the one more compressed data blocks ~~in real-time~~.

10. (Currently Amended) The method of claim 1, ~~wherein the one or more~~
~~compressors is~~ further comprising:
selecting the one or more compressors selected to compress the at least the
portion of the data block to create at least a second compressed data block based upon a
number of reads of at least a portion of a first compressed data block that was created
from the at least the portion of the data block to provide a compressed data block.

11. (Cancelled)

12. (Currently Amended) A method, comprising:
determining ~~one or more~~ a parameter[[s]] or an attribute[[s]] of at least a portion

of a data block;

selecting one or more asymmetric compressors from among a plurality of compressors based upon the ~~one or more~~ determined parameter[[s]] or attribute[[s]];

compressing the at least the portion of the data block with the selected one or more asymmetric compressors to provide one or more compressed data blocks; and

storing at least a portion of the one or more compressed data blocks.

13. (Currently Amended) The method of claim [[12]] 18, further comprising:
retrieving and transmitting ~~the one or more of~~ at least a portion of the at least stored ~~at least~~ one or more portions of the one or more compressed data blocks based[[,]] ~~at least in part,~~ upon a user command.

14. (Currently Amended) The method of claim [[12]] 18, further comprising:
retrieving and transmitting at least a portion of the one or more ~~at least~~ stored one or more portions of the one or more compressed data blocks based upon[[,]] ~~at least in part,~~ a user value.

15. (Currently Amended) The method of claim [[12]] 18, further comprising:
retrieving and transmitting at least a portion of the one or more of the at least stored one or more ~~at least~~ portions of the one or more compressed data blocks based upon a utilized capacity of a portion of a memory device.

16. (Currently Amended) The method of claim [[12]] 18, further comprising:
retrieving and transmitting at least a portion of the one or more of the at least

stored at least one or more portions of the one or more compressed data blocks based upon a bandwidth throughput of a transmission link a communication channel used for transmission of the at least retrieved portion of the at least ~~one or more~~ stored one or more portions of the one or more compressed data blocks.

17. (Currently Amended) The method of claim ~~[[12]]~~ 18, wherein the at least stored one or more portions of the one or more compressed data blocks comprises:
audio or video information.

18. (Currently Amended) The method of claim 12, wherein the compressing comprises:
compressing the at least the portion of the data block with ~~multiple~~ the selected one or more asymmetric compressors to create ~~multiple~~ one or more portions of the one or more compressed data blocks, the at least the portion of the data block having been compressed with the one or more selected asymmetric compressors to create the one or more portions of the one or more compressed data blocks. [[,]] and further comprising wherein the storing comprises:

storing at least the one or more portions of the multiple one or more compressed data blocks ~~in one file~~.

19. (Currently Amended) The method of claim ~~[[12]]~~ 18, further comprising:
retrieving and transmitting ~~the one or more~~ at least a portion of the at least one or more stored portions of the one or more compressed data blocks ~~occurs~~ in real-time; and
decompressing ~~the one or more~~ a portion of the at least transmitted portion of the

at least the portion of the one or more compressed data blocks after transmission in real-time.

20. (Currently Amended) The method of claim 12, ~~wherein the one or more asymmetric compressors is selected, at least in part,~~ wherein the selecting comprises: selecting the one or more asymmetric compressors based upon the determined parameter or attribute and a number of reads of the at least the portion of the data block to provide the one or more compressed data blocks.

21. (Currently Amended) The method of claim 12, further comprising:
decompressing at least a portion of the one or more compressed data blocks to provide ~~[[a]] one or more decompressed data blocks~~ based ~~[[on]] upon~~ a first number of reads of the least the portion of one or more compressed data blocks; and
recompressing at least a portion of the one or more decompressed data blocks with the one or more asymmetric compressors ~~to provide a recompressed data block.~~

22. (Currently Amended) The method of claim 21, wherein the selection of the one or more asymmetric compressors ~~encoders~~ for recompressing the decompressed data block was ~~[[is]]~~ based ~~[[on]] upon~~ a second number of reads of the at least the portion of the one or more compressed data blocks ~~[[,]]~~ ~~[[and]]~~
~~wherein the first and second number of reads may be the same or different from one another.~~

23. – 27. (Cancelled)

28. (Currently Amended) A method, comprising:

selecting one or more compressors based upon a number of reads of at least a portion of a data block having audio or video data to identify one or more selected compressors;

compressing at least a portion of a second data block with [[a]] the one or more selected compressors using asymmetric data compression that is selected based upon a number of reads of the data block to provide a compressed data block[[;]] [[and]]

if the number of reads of the data block exceeds a threshold:

decompressing the compressed data block to provide a decompressed data block; and

recompressing the decompressed data block with the selected compressor based on the number of reads to provide a recompressed data block.

29. (Currently Amended) The method of claim 28, wherein the number of reads of the at least the portion of the data block occurs within a given period of time.

30. (Currently Amended) The method of claim 28, further comprising:

retrieving and transmitting a portion of the compressed or the recompressed data block based upon a user command.

31. (New) The method of claim 1, wherein the determining of the parameter or attribute of the portion the data block excludes determining based only upon reading a descriptor of the at least the portion of the data block.

32. (New) The method of claim 1, wherein the at least the portion of the data block is from among a plurality of data blocks; and wherein the compressing comprises:
compressing at least a portion of the plurality of data blocks with the one or more compressors using the asymmetric data compression and the information to create the one or more compressed data blocks.

33. (New) The method of claim 32, wherein the plurality of data blocks or the one or more compressed data blocks comprise:
at least a portion of a file.

34. (New) The method of claim 1, wherein the compressing comprises:
compressing the at least the portion of the data block with the selected one or more asymmetric compressors to create one or more portions of the one or more compressed data blocks, the at least the portion of the data block having been compressed with the selected one or more asymmetric compressors to create the one or more portions of the one or more compressed data blocks, and further comprising:
storing at least the one or more portions of the one or more compressed data blocks.

35. (New) The method of claim 34, further comprising:
retrieving at least a portion of the at least stored one or more portions of the one or more compressed data blocks;

transmitting the at least retrieved portion of the at least stored one or more portions of the one or more compressed data blocks over the Internet; and

decompressing the at least transmitted portion of the at least stored one or more portions of the one or more compressed data blocks in real-time.

36. (New) The method of claim 18, further comprising:

retrieving at least a portion of the at least stored one or more portions of the one or more compressed data blocks based upon a utilized capacity of one or more central processing units (CPUs).

37. (New) The method of claim 13, wherein the retrieving is based upon a utilized capacity of one or more central processing units (CPUs).

Remarks

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 1, 3-10, 12-22, and 28-37 are pending in the application, with claims 1, 3, 12, and 28 being the independent claims. Claims 1, 3-10, 12-22, and 28-30 are sought to be amended. Claims 2, 11, and 23-27 are sought to be canceled without prejudice to or disclaimer of the subject matter therein. Applicant reserves the right to prosecute similar or broader claims, with respect to the cancelled and/or amended claims, in the future. New claims 31-37 are sought to be added. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Based on the above amendment and the following remarks, Applicant respectfully requests the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Prioritized Examination

The request for prioritized examination for this Application was granted on October 13, 2013. Applicant has canceled, without prejudice to or disclaimer of the subject matter therein, claims 2, 11, and 23-27 and added claims 31-37 in this Amendment and Reply. Accordingly, this Application continues to contain four independent claims and thirty total claims. And Applicant is timely filing this Amendment and Reply without a petition for extension of time. Accordingly, this Application remains eligible for prioritized examination.

Objection to the Specification

The specification stands objected to because of alleged informalities. Without acquiescing to the merits of this allegation, Applicant has amended the specification to accommodate the Examiner's objection. Accordingly, Applicant respectfully requests the objection to the specification be reconsidered and withdrawn.

Rejections under 35 U.S.C. § 112

Claims 11 and 28-30 stand rejected under 35 U.S.C. § 112, first paragraph, for allegedly failing to comply with the written description requirement. Without acquiescing to the merits of this allegation, Applicant has cancelled claim 11, without prejudice or disclaimer, and amended independent claim 28 to accommodate the Examiner's rejection. Applicant contends the canceling and/or amending of these claims does not give rise to any implication regarding whether Applicant agrees with or acquiesces to this rejection.

Rejections under 35 U.S.C. § 102

Claims 1 and 4-10

Claims 1 and 4-10 stand under 35 U.S.C. § 102(e) as allegedly being anticipated by United States Patent No. 6,374,353 to Settsu et al. ("Settsu"). Applicant respectfully traverses the rejection and provides the following arguments to support patentability.

The Office Action indicates "[c]laims 2 and 3 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims." (Office Action, p. 8). Without acquiescing to the merits of this allegation and for the purpose of

advancing prosecution of this Application, Applicant has amended independent claim 1 to substantially incorporate most of the features that were previously recited by dependent claim 2, now cancelled. The amendments to independent claim 1 presented herewith does not give rise to any implication regarding whether Applicant agrees with or acquiesces to this rejection.

Accordingly, Applicant believes independent claim 1 should be in condition for allowance. Applicant believes dependent claims 4-10 should likewise be in condition for allowance for at least the same reasons as the independent claims from which they depend and further in view of their own respective features. Accordingly, Applicant respectfully requests the rejection of claims 1 and 4-10 under 35 U.S.C. § 102(e) be reconsidered and withdrawn.

Allowed Claims

Applicant thanks the Examiner for indicating the allowability of claims 12-22 in the Office Action. Applicant believes these claims should remain allowed even in light of the amendments to some of these claims presented herewith.

Allowable Subject Matter

Claims 2 and 3

Claims 2 and 3 stand objected to as allegedly “being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.” (Office Action, p. 8). Without acquiescing to the merits of this allegation, Applicant has cancelled dependent claim 2 without prejudice or disclaimer, thereby rendering moot the objection of the same.

Applicant contends the canceling of this claim does not give rise to any implication regarding whether Applicant agrees with or acquiesces to this objection. In regard to dependent claim 3, Applicant has written this claim into independent form incorporating most of the features that were previously recited by independent claim 1. The amendments to independent claim 3 presented herewith does not give rise to any implication regarding whether Applicant agrees with or acquiesces to this objection. Accordingly, Applicant respectfully requests the objection of claims 3 be reconsidered and withdrawn.

Addition of New Claims

Claims 31-37

New claims 31-37 have been added. From the discussion above, Applicant has traversed the rejections to independent claims 1 and 12. Applicant believes dependent claims 31-37 should likewise be allowable for at least the same reasons as the independent claims from which they respectively depend and further in view of their own respective features.

Withdraw of Claims 23-27

The Examiner has withdrawn claims 23-27 in the Office Action from examination in the Office Action. (Office Action, p. 3). Although the Examiner has not contacted Applicant's representatives to discuss this withdrawal of claims 23-27 or provided any reasoning for this withdrawal of claims 23-27, Applicant has cancelled claims 23-27, without prejudice or disclaimer, in this Amendment and Reply for the sole purpose of accommodating the Examiner's request. Applicant contends the canceling of

these claims does not give rise to any implication regarding whether Applicant agrees with or acquiesces to this withdrawal of claims 23-27.

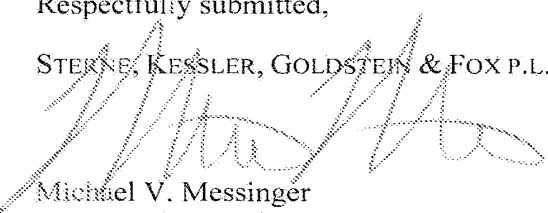
Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicant believes a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael V. Messinger
Attorney for Applicant
Registration No. 37,575

Date: May 27, 2014

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600
1820655_1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 9902
Realttime Data, LLC	Art Unit: 2634
Appl. No.: 14/033,245	Examiner: BOCURE, Tesfaldet
Filed: September 20, 2013	Atty. Docket: 2855.0050007
For: Systems and Methods for Video and Audio Data Storage and Distribution	

Second Supplemental Information Disclosure Statement

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

Notice of Prior and Concurrent Proceedings

Applicants hereby call to the attention of the Patent and Trademark Office the following reexamination proceedings involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,486)	Inter Partes Reexamination Certificate issued 10/10/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/000,466)	Inter Partes Reexamination Certificate issued 05/15/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,453)	Terminated
<i>Ex Parte</i> Reexamination of U.S. Patent No. 6,601,104 (Control No. 90/009,428)	Ex Parte Reexamination Certificate issued 02/28/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/000,478)	Inter Partes Reexamination Certificate issued 10/04/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,624,761 (Control No. 95/000,464)	Inter Partes Reexamination Certificate issued 06/12/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/000,479)	Inter Partes Reexamination Certificate issued 05/22/2012

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Patent Owner's Request for Rehearing Under 37 C.F.R. § 41.79 mailed 02/14/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Patent Owner's Corrected Request to Reopen Prosecution under 37 C.F.R. § 41.77(b) filed 03/11/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Patent Owner's Corrected Request to Reopen Prosecution under 37 C.F.R. § 41.77(b) filed 03/11/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Patent Owner's Corrected Request to Reopen Prosecution under 37 C.F.R. § 41.77(b) filed 03/11/2014

Applicants hereby call to the attention of the Patent and Trademark Office the following reexamination proceedings filed by Cellco Partnership d/b/a Verizon Wireless, involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	<i>Inter Partes</i> Reexamination Certificate issued 12/05/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Patent Owner's Supplemental Reply to Action Closing Prosecution filed 02/27/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	Right of Appeal Notice mailed 08/29/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	Patent Owner's Supplemental Reply to Action Closing Prosecution filed 02/27/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	<i>Inter Partes</i> Reexamination Certificate issued 08/16/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014

Atty. Dkt. No. 2855.0050007

Applicants invite the Examiner to review the Requests for Reexamination, issued Office Actions, replies, and any other papers in the above-identified reexamination proceedings. If the Examiner is unable to obtain copies of papers in any reexamination proceeding, copies can be provided to the Examiner upon request. Those documents which may be material that are not already of record in this patent application are listed on the accompanying Form PTO/SB/08. For example, documents related to the reexaminations are listed as **NPL7-NPL14**.

Notice of Related Litigation

Applicants notify the Patent and Trademark Office of the following litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
1	<i>Realtime Data LLC d/b/a IXO v. Packeteer, Inc. et al.</i> , No. 6:08-cv-00144-LED (E.D. Texas)	Dismissed

Applicants also notify the Patent and Trademark Office of the following additional litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
2	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al.</i> No. 1:11-cv-06698-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00333-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
3	<i>Realtime Data LLC d/b/a IXO v. Morgan Stanley et al.</i> , No. 1:11-cv-06696-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00326-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
4	<i>Realtime Data LLC d/b/a IXO v. CME Group Inc., et al.</i> , No. 1:11-cv-06697-RJH (S.D. New York)	Opinion of the Court of Appeals for the

	(transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Federal Circuit received 01/27/2014
5	<i>Chicago Board Options Exchange, Inc., v. Realtime Data LLC d/b/a IXO</i> , No. 09-cv-4486 (N.D. Ill.)	Dismissed
6	<i>Thomson Reuters Corporation v. Realtime Data, LLC d/b/a IXO</i> , No. 1:09-cv-07868-RMB (S.D.N.Y)	Consolidated with Case No. 2
7	<i>Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al. (II)</i> , No. 6:10-cv-246 (E.D. Texas)	Consolidated with Case No. 4
8	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al. (II)</i> , No. 6:10-cv-247 (E.D. Texas)	Consolidated with Case No. 2
9	<i>Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al. (II)</i> , No. 6:10-cv-248 (E.D. Texas)	Consolidated with Case No. 3
10	<i>Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC et al.</i> , No. 6:10-cv-00493 (E.D. Texas)	Notice of Appeal Filed

Information Disclosure Statement

Listed on accompanying IDS Forms PTO/SB/08a equivalent and PTO/SB/08b equivalent are documents that may be considered material to the patentability of this application as defined in 37 C.F.R. §1.56, and in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.97 and 1.98.

Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Atty. Dkt. No. 2855.0050007

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. The required fee is provided through online credit card payment authorization in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

Copies of documents **NPL1-NPL14** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited as documents **US1-US4** on the attached IDS Forms are submitted.

Additionally, a copy of document **NPL15** is not provided in accordance with the U.S. Patent and Trademark Office Official Gazette notice of October 19, 2004, which states: "the requirement in 37 C.F.R. § 1.98(a)(2)(iii) for a legible copy of the specification, including the claims, and drawings of each cited pending U.S. patent application (or portion of the application which caused it to be listed) is *sua sponte* waived where the cited pending application is stored in the USPTO's IFW system."

Applicants submit herewith Office Actions from the following co-pending, commonly-assigned U.S. Patent Application Nos.:

Atty. Dkt. No. 2855.0050007

Document **NPL1** is a copy of a Notice of Allowance mailed February 20, 2014, in the prosecution of co-pending, commonly-assigned U.S. Application No. 13/101,994.

Document **NPL2** is a copy of a Supplemental Notice of Allowance mailed February 25, 2014, in the prosecution of co-pending, commonly-assigned U.S. Application No. 12/857,238.

Document **NPL3** is a copy of a Non-Final Office Action mailed February 25, 2014, in the prosecution of co-pending, commonly-assigned U.S. Application No. 14/134,933.

Document **NPL4** is a copy of a Non-Final Office Action mailed February 27, 2014, in the prosecution of co-pending, commonly-assigned U.S. Application No. 14/134,926.

Document **NPL5** is a copy of a Final Office Action mailed April 8, 2014, in the prosecution of co-pending, commonly-assigned U.S. Application No. 09/969,987.

Document **NPL6** is a copy of a Non-Final Office Action mailed May 9, 2014, in the prosecution of co-pending, commonly-assigned U.S. Application No. 13/403,785.

The identification of these Office Actions is not to be construed as a waiver of secrecy as to those applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

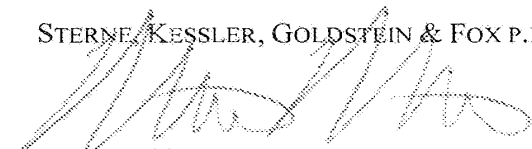
It is expected that the examiner will review the prosecution and cited art in the parent application nos. 10/076,013, filed February 13, 2002 (now U.S. Patent No. 7,386,046); 12/123,081, filed May 19, 2008 (now U.S. Patent No. 8,073,047); and 13/154,239, filed June 6, 2011 (now U.S. Patent No. 8,553,759), in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael V. Messinger
Attorney for Applicants
Registration No. 37,575

Date: May 27, 2014

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

1826487_1

Substitute for form 1449/PTO				<i>Complete if Known</i>	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use as many sheets as necessary)</small>				Application Number	14/033,245
				Filing Date	September 20, 2013
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, Testaldet
Sheet	1	of	1	Attorney Docket Number	2855.0050007

U.S. PATENT DOCUMENTS						
Examiner initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	US1	5,881,104		03-09-1999	Akahane	
	US2	7,050,639 B1		05-23-2006	Barnes et al.	
	US3	2002/0078241 A1		06-20-2002	Vidal et al.	
	US4	2003/0058873 A1		03-27-2003	Geiger et al.	

FOREIGN PATENT DOCUMENTS							
Examiner initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					

1826473_1

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO		Complete if Known	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	1	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	Copy of Notice of Allowance for U.S. Appl. No. 13/101,994, mailed February 20, 2014, 5 pages.	
	NPL2	Copy of Supplemental Notice of Allowance for U.S. Appl. No. 12/857,238, mailed February 25, 2014, 2 pages.	
	NPL3	Copy of Non-Final Office Action for U.S. Appl. No. 14/134,933, mailed February 25, 2014, 7 pages.	
	NPL4	Copy of Non-Final Office Action for U.S. Appl. No. 14/134,926, mailed February 27, 2014, 16 pages.	
	NPL5	Copy of Final Office Action for U.S. Appl. No. 09/969,987, mailed April 8, 2014, 8 pages.	
	NPL6	Copy of Non-Final Office Action for U.S. Application No. 13/403785, mailed May 9, 2014, 5 pages.	
	NPL7	Declaration of Dr. James W. Modestino under 37 C.F.R. § 1.132 in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, executed November 29, 2013; 51 pages.	
	NPL8	Declaration of Dr. James W. Modestino under 37 C.F.R. § 1.132 in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, executed November 29, 2013; 49 pages.	
	NPL9	Declaration of Dr. James W. Modestino under 37 C.F.R. § 1.132 in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, executed November 29, 2013; 50 pages.	
	NP110	Patent Owner's Supplemental Reply to Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, filed February 27, 2014, 10 pages.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO		Complete if Known	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL11	Patent Owner's Supplemental Reply to Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, filed February 27, 2014, 9 pages.	
	NPL12	Corrected Request to Reopen Prosecution Before the Examiner under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed March 11, 2014, 48 pages.	
	NPL13	Corrected Request to Reopen Prosecution Before the Examiner under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed March 11, 2014, 39 pages.	
	NPL14	Corrected Request to Reopen Prosecution Before the Examiner under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed March 11, 2014, 67 pages.	
	NPL15	U.S. Patent Application No. 14/251,453, James J. FALLON, "Data Compression Systems and Methods," filed April 11, 2014.	

1826475_1

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Electronic Patent Application Fee Transmittal				
Application Number:	14033245			
Filing Date:	20-Sep-2013			
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.			
First Named Inventor/Applicant Name:	James J. Fallon			
Filer:	Michael V. Messinger			
Attorney Docket Number:	2855.0050007			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				180

Electronic Acknowledgement Receipt

EFS ID:	19136277
Application Number:	14033245
International Application Number:	
Confirmation Number:	9902
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.
First Named Inventor/Applicant Name:	James J. Fallon
Customer Number:	26111
Filer:	Michael V. Messinger/Lauren Harrison
Filer Authorized By:	Michael V. Messinger
Attorney Docket Number:	2855.0050007
Receipt Date:	27-MAY-2014
Filing Date:	20-SEP-2013
Time Stamp:	17:31:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$180
RAM confirmation Number	5300
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1	Miscellaneous Incoming Letter	28550050007cl.pdf	531069	no	2
			545efd87eec35967fce0a6a40dc2a9ad004bf370		
Warnings:					
Information:					
2		28550050007amendids.pdf	13180239	yes	28
			f4a490136c17423b333fe70ebbb37e7fcaa9150b		
Multipart Description/PDF files in .zip description					
Document Description		Start	End		
Amendment/Req. Reconsideration-After Non-Final Reject		1	1		
Specification		2	4		
Claims		5	13		
Applicant Arguments/Remarks Made in an Amendment		14	18		
Transmittal Letter		19	25		
Information Disclosure Statement (IDS) Form (SB08)		26	28		
Warnings:					
Information:					
3	Non Patent Literature	NPL1_NOA_13101994_02202014.pdf	347089	no	5
			64fe53b0b8d5167275c8e9e9757d4d7f27eba1f5		
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4	Non Patent Literature	NPL2_SNOA_12857238_02252014.pdf	77034	no	2
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Information:					
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			e68d5e76762d9fcaa30370dfac4f574d1a9b9f0c		
Warnings:					
Information:					
6	Non Patent Literature	NPL4_NFOA_14134926_02272014.pdf	531170	no	16
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Warnings:					
Information:					

7	Non Patent Literature	NPL5_FOA_09969987_04082014.pdf	303601 a542a86be015dccc890dda3cbe43b1fc46e7ebb	no	8
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Information:					
8	Non Patent Literature	NPL6_NFOA_13403785_05092014.pdf	182588 ba04e5ae6f2e68014b374ac418fe6af0f0e64907	no	5
Warnings:					
Information:					
9	Non Patent Literature	NPL7_Modestino_Declaration_95001533_11292013.pdf	4223192 50d17a8a27fcf5f4a105509b86bffc5ab01c4fa	no	51
Warnings:					
Information:					
10	Non Patent Literature	NPL8_Modestino_Declaration_95001544_11292013.pdf	3943689 ee396a8937181d4a353e42a5905180533fbcd8bb	no	49
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Information:					
11	Non Patent Literature	NPL9_Modestino_Declaration_95001581_11292013.pdf	4118296 923ae77425f9b6fdac5e956da2e996bfc5bc06be	no	50
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Information:					
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Information:					
13	Non Patent Literature	NPL11_PO_Suppl_Reply_to_A CP_95001925_02272014.pdf	537505 220a2c853836c7116737b6dcde05e525ba240c9f	no	9
Warnings:					
Information:					
14	Non Patent Literature	NPL12_Corrected_PO_Request_to_Reopen_Prosecution_95001533_03112014.pdf	3524746 aa66b30f60e7e142ff553ce973930fdcc6cf9df18	no	48
Warnings:					
Information:					
15	Non Patent Literature	NPL13_Corrected_PO_Request_to_Reopen_Prosecution_95001544_03112014.pdf	2974399 f379fb10e4fa629745fbc0328ba2f96ae5e67535	no	39
Warnings:					
Information:					

16	Non Patent Literature	NPL14_Corrected_PO_Request_to_Reopen_Prosecution_95001581_03112014.pdf	5231309 8dff8efa9cc9d811cfe4cc0a2239dfb6ee226349	no	67
Warnings:					
Information:					
17	Fee Worksheet (SB06)	fee-info.pdf	29700 818d04e4cf6b17a7d4e090e1cf5577014232280b	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			40461751		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

MICHAEL V. MESSINGER
DIRECTOR
(202) 772-8667
MIKEM@SKGF.COM



May 27, 2014

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Confirmation No. 9902
Art Unit 2634
Attn: Mail Stop Amendment

Re: U.S. Utility Patent Application
Application No. 14/033,245; Filing Date: September 20, 2013
For: **Systems and Methods for Video and Audio Data Storage and
Distribution**
Inventors: FALLON *et al.*
Our Ref: 2855.0050007

Commissioner:

Transmitted herewith for appropriate action are the following documents:

1. Online Credit Card Payment Authorization in the amount of \$180.00 to cover the Information Disclosure Statement fee;
2. Amendment and Reply Under 37 C.F.R. § 1.111;
3. Second Supplemental Information Disclosure Statement;
4. Form PTO/SB/08a (1 sheet) listing 4 documents (US1-US4);
5. Form PTO/SB/08b (2 sheets) listing 15 documents (NPL1-NPL15); and
6. Copies of cited documents (NPL1-NPL14).

The above-listed documents are filed electronically through EFS-Web.

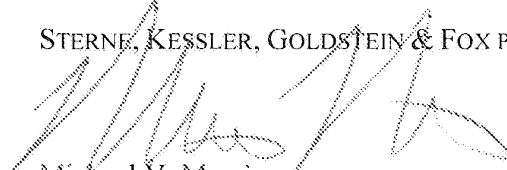
In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents
May 27, 2014
Page 2

Fee payment is provided through online credit card payment. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael V. Messinger
Attorney for Applicant
Registration No. 37,575

MVM/MRM/leh
Enclosures

1855219_1

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/033,245	Filing Date 09/20/2013	<input type="checkbox"/> To be Mailed
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ENTITY: LARGE SMALL MICRO

APPLICATION AS FILED – PART I

FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A	N/A	
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(c), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *		X \$ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		X \$ =	
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

	(Column 1)	(Column 2)	(Column 3)	(Column 4)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	05/27/2014	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	* 30	Minus	** 30	= 0	X \$80 = 0
	Independent (37 CFR 1.16(h))	* 4	Minus	***4	= 0	X \$420 = 0
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L FEE						0

	(Column 1)	(Column 2)	(Column 3)	(Column 4)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$ =
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =
	<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))					
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L 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.

LIE
/DIANA BATES/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

26111 7590 07/22/2014
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

BOCURE, TESFALDET

ART UNIT PAPER NUMBER

2634

DATE MAILED: 07/22/2014

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

TITLE OF INVENTION: Systems and Methods for Video and Audio data Storage and Distribution.

Table with 7 columns: APPLN. TYPE, ENTITY STATUS, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

26111 7590 07/22/2014
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
 1100 NEW YORK AVENUE, N.W.
 WASHINGTON, DC 20005

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/033,245	09/20/2013	James J. Fallon	2855.0050007	9902

TITLE OF INVENTION: Systems and Methods for Video and Audio data Storage and Distribution.

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	10/22/2014

EXAMINER	ART UNIT	CLASS-SUBCLASS
BOCURE, TEFALDET	2634	375-240000

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</p>	<p>2. For printing on the patent front page, list</p> <p>(1) The names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____</p> <p>(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____</p> <p>3 _____</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY and STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent) : Individual Corporation or other private group entity Government

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

5. **Change in Entity Status** (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29

Applicant asserting small entity status. See 37 CFR 1.27

Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
14/033,245 09/20/2013 James J. Fallon 2855.0050007 9902

26111 7590 07/22/2014
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

BOCURE, TESFALDET

ART UNIT PAPER NUMBER

2634

DATE MAILED: 07/22/2014

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 14/033,245	Applicant(s) FALLON ET AL.	
	Examiner TESFALDET BOCURE	Art Unit 2634	AIA (First Inventor to File) Status No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to 5/27/2014.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1,3-10,12-22 and 28-37. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>5/27/2014</u> 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. | <ol style="list-style-type: none"> 5. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 6. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 7. <input checked="" type="checkbox"/> Other <u>Interview Summary</u>. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

/TESFALDET BOCURE/
Primary Examiner, Art Unit 2634

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.
2. This office action (Notice of Allowance) is in response to the amendment and remarks filed on 5/27/2014. The statuses of the claims are: claims 2, 11 and 23-27 have been cancelled; and the pending claims 1, 3-10, 12-22 and 28-37, renumbered as claims 1-30 are now allowed.

Information Disclosure Statement

4. The information disclosure statement (IDS) submitted on 5/27/2014 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner. Attached with this correspondence is the initialed copy of the IDS.

EXAMINER'S AMENDMENT

5. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment¹ was given in a telephone interview with Mr. Michael R. Malek (Reg. 65,211) on 7/11/2014.

The application has been amended as follows:

In the claims:

Claim 3 has been amended to read as follows:

3. (Currently Amended) A method, comprising:

determining a parameter or attribute of at least a portion of a data block;

selecting an access profile from among a plurality of access profiles based upon the determined parameter or attribute; and

compressing the at least the portion of the data block with one or more compressors utilizing information from the selected access profile to create one or more compressed data blocks, the information being indicative of the one or more compressors to apply to the at least the portion of the data block,

wherein the one or more compressors utilize at least one slow compress ~~encoders~~ encoder and at least one fast decompress ~~decoders~~ decoder, and

wherein compressing the at least the portion of the data block with the at least one slow compress ~~encoders~~ encoder takes more time than decompressing the at least the portion of the data block with the at least one fast decompress ~~decoders~~ decoder if the time were measured with the at least one slow compress ~~encoders~~ encoder and at least one fast decompress ~~decoders~~ decoder running individually on a common host system.

¹ the amendments to the claims and the remarks to claims 3, 18 and 19 are entirely based on the preliminary amendment sent by Mr. Malek to the Examiner on 7/9/2014. As to the amendments to claims 28 and 29, it is based on the proposal made by the Examiner.

Claim 18 has been amended to read as follows:

18. (Currently Amended) The method of claim 12, wherein the compressing comprises:

compressing the at least the portion of the data block with the selected one or more asymmetric compressors to create one or more portions of the one or more compressed data blocks, the at least the portion of the data block having been compressed with the one or more selected asymmetric compressors to create the one or more portions of the one or more compressed data blocks, ~~[[.]]~~ and wherein the storing comprises:

storing at least the one or more portions of the one or more compressed data blocks.

Claim 19 has been amended to read as follows:

19. (Currently Amended) The method of claim 18, further comprising:

retrieving and transmitting at least a portion of the at least one or more stored portions of the one or more compressed data blocks ~~occurs~~ in real-time; and

decompressing a portion of the at least transmitted portion of the at least one or more stored ~~[[the]]~~ portions of the one or more compressed data blocks after transmission in real-time.

Claim 28 has been amended to read as follows:

28. (Currently Amended) A method, comprising:

selecting one or more compressors based upon a number of reads of at least a portion of a compressed data block having audio or video data to identify one or more selected compressors; and

compressing at least a portion of a second data block with the one or more selected compressors using asymmetric data compression to provide a compressed data block.

Claim 29 has been amended to read as follows:

29. (Currently Amended) The method of claim 28, wherein the number of reads of the at least the portion of the compressed data block occurs within a given period of time.

Remarks:

6. The above Examiner's Amendment to the claims was made for the following reasons:

- a. The amendment to claim 28 was to refer to the 'read data' as a compressed data. It should be noted as disclosed, it the compressed pending data used to determine for the compression of new data block (claimed second).
- b. The amendment to claim 29 was made for same reason as above to claim 28.

- c. The amendments to claims 3, 18 and 19 were made to correct for matter of forms.

Reasons for Allowance

7. The following is an examiner's statement of reasons for allowance: the claimed subject matter in claims is allowable because the arts of record fail to teach or fairly suggest in combinations to the claimed:

- d. A method, comprising:
 - determining a parameter or attribute of at least a portion of a data block having audio or video data:
 - selecting an access profile from among a plurality of access profiles based the determined parameter or attribute: and
 - compressing the at least the portion of the data block with one or more compressors using asymmetric data compression and information from the selected access profile to create one or more compressed data blocks, the information being indicative of the one or more compressors to apply to the at least the portion of the data block, as in claim 1. See figures 1,2 and corresponding text for selecting asymmetric data compression routing according to the data parameter or attribute and access profile as disclosed with respect to access profile tables disclosed in ¶[0064], [0069] and as shown in figures 1-3.
- e. A method, comprising:

determining a parameter or an attribute of at least a portion of a data block;

selecting one or more asymmetric compressors from among a plurality of compressors based upon the determined parameter or attribute;

compressing the at least the portion of the data block with the selected one or more asymmetric compressors to provide one or more compressed data blocks; and storing at least a portion of the one or more compressed data blocks, as in claim 12. See figures 1,2 and corresponding text for selecting asymmetric data compression routing according to the data parameter or attribute and access profile as disclosed with respect to access profile tables disclosed in ¶[0064], [0069] and as shown in figures 1-3.

f. A method, comprising:

selecting one or more compressors based upon a number of reads of at least a portion of a compressed data block having audio or video data to identify one or more selected compressors; and

compressing at least a portion of a second data block with the one or more selected compressors using asymmetric data compression to provide a compressed data block, as in claim 28. See figure 2, access profile tables disclosed in ¶[0064], [0069] and corresponding text in ¶[0064], [0069] and [0074], where the compression routing (see steps 22-31 in figure 2) for the pending disc access, claimed second data block, is depending on the throughput of the

system having inherently data blocks compressed to be read.

8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

f. US patent numbers 6,725,225, 6,959,110, 7,548,657 issued to Scheps, Danskin et al., and Deaven and, US patent publication numbers 2007/0096954 and 2010/0011012 published to Boldt et al. and Rawson respectively disclose selection of compression/decompression algorithm according to the data parameter or attributes.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TESHALDET BOCURE whose telephone number is (571)272-3015. The examiner can normally be reached on Mon-Th, 8:30-6:00 and 8:30-5:00 2nd Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DANIEL C. WASHBURN can be reached on (571)272-5551. The fax phone

Application/Control Number: 14/033,245
Art Unit: 2634

Page 9

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/TESFALDET BOCURE/
Primary Examiner, Art Unit 2634

/T. B./
Primary Examiner, Art Unit 2634

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	14/033,245	FALLON ET AL.	
	Examiner	Art Unit	
	TESFALDET BOCURE	2634	

All participants (applicant, applicant's representative, PTO personnel):

(1) TESFALDET BOCURE. (3)_____.

(2) Mr. Michael R. Malek (reg. # 65211). (4)_____.

Date of Interview: 11 July 2014.

Type: Telephonic Video Conference
 Personal [copy given to: applicant applicant's representative]

Exhibit shown or demonstration conducted: Yes No.
If Yes, brief description: _____.

Issues Discussed 101 112 102 103 Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 3, 18, 19, 28 and 29.

Identification of prior art discussed: None.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Examiner called Applicant's representative Mr. Michael Malek on 7/1/2014 for clarification and a proposed examiner amendment to claims 28 and 29. Mr. Malek send a proposal amendment to claims 28 and including claims 3, 18, 19 and 29 on 7/9/2014. Regarding the issue for clarification and support to the claimed subject matter in claim 28, during the further telephone interview on 7/11/2014, Mr. Malek made a reference to the table in specification and disclosed in ¶ [0069] [0074] and [0075] with respect to figure 2, Examiner agreed.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Attachment

/TESFALDET BOCURE/ Primary Examiner, Art Unit 2634	
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Notice of References Cited	Application/Control No. 14/033,245	Applicant(s)/Patent Under Reexamination FALLON ET AL.	
	Examiner TESFALDET BOCURE	Art Unit 2634	Page 1 of 1

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-6,723,225	04-2004	Scheps, Richard	205/687
*	B US-6,959,110	10-2005	Danskin et al.	382/166
*	C US-7,548,657	06-2009	Deaven, David M	382/243
*	D US-2007/0096954	05-2007	Boldt et al.	341/050
*	E US-2010/0011012	01-2010	Rawson, Andrew R.	707/101
	F US-			
	G US-			
	H US-			
	I US-			
	J US-			
	K US-			
	L US-			
	M US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N				
	O				
	P				
	Q				
	R				
	S				
	T				

NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
	U				
	V				
	W				
	X				

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

WEST Search History for Application 14033245

Creation Date: 2014070721:04

Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
@ad<="20010213"	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		07-07-2014
Fallon.inv. or mcerlain.inv.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		07-07-2014
(selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4 (algorithm or algorithms or mode or modes)) same (read or reading or write or writing or retrieve or retrieving or throughput or throughputs)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		07-07-2014
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retrieving or throughput or throughputs)) or ((Selecting or select or choose or choosing) near4 (compress or compression or compressing) near4 (algorithm or algorithms or mode or modes)) same (parameter or parameters or attribute or attributes))) and (Fallon.inv. or mcerlain.inv.)	JPAB, DWPI, TDBD				
375/\$8.ccls. or 348/\$8.ccls. or 370/\$8.ccls. or 382/\$8.ccls.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		07-07-2014
375/\$8.ccls. or 348/\$8.ccls. or 370/\$8.ccls. or 382/\$8.ccls. or 341/\$8.ccls.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		07-07-2014
(375/240).ccls. or 375/240.01. ccls. or 375/240.02. ccls. or 341/50.ccls. or 341/51.ccls. or 341/126.ccls.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		07-07-2014
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WEST Search History for Application 14033245

Creation Date: 2014071119:41

Prior Art Searches

Query	DB	Op.	Plur.	Thes.	Date
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Fallon.inv. or mcerlain.inv.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		07-07-2014
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Fallon.inv. or mcerlain.inv.		OR	YES		07-11-2014

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375/\$8.ccls. or 348/\$8.ccls. or 370/\$8.ccls. or 382/\$8.ccls.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		07-11-2014
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(((selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4 (algorithm or algorithms or mode or modes)) same (read or reading or write or writing or retrieve or retrieving or throughput or throughputs)) or ((Selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4 (algorithm or algorithms or mode or modes)) same (parameter or parameters or attribute or attributes))) and (@ad<="20010213") and ((await\$3 or pending) near3 (file\$ or data\$ or application\$))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		07-11-2014
(((selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4	PGPB, USPT,	OR	YES		07-11-2014


<p>(algorithm or algorithms or mode or modes) same (read or reading or write or writing or retrieve or retrieving or throughput or throughputs)) or ((Selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4 (algorithm or algorithms or mode or modes) same (parameter or parameters or attribute or attributes))) and (@ad<="20010213")</p>	<p>USOC, EPAB, JPAB, DWPI, TDBD</p>				
<p>(((selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4 (algorithm or algorithms or mode or modes) same (read or reading or write or writing or retrieve or retrieving or throughput or throughputs) or (Selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4 (algorithm or algorithms or mode or modes) same (parameter or parameters or attribute or attributes)) and @ad<="20010213") and ((H04N19/0026 G06F21/80 G11C29/40 G09G2340/02 H04B1/66 H04W28/06).CPC. or (358/426.01 375/E7.144 382/232 382/239 382/244 370/477 704/500 704/504 707/999.001 710/74 341/51 369/60.01 455/72 708/203 709/247 711/113).CCLS. or (H04N1/41 H03M7/30 G11B20/00 H04B1/66 G10L19/00).IPCR.)</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>07-11-2014</p>
<p>("20020078241" "20030058873" "5881104" "7050639").PN.</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>07-11-2014</p>
<p>((("20020078241" "20030058873" "5881104" "7050639").PN.) and (((selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4 (algorithm or algorithms or mode or modes) same (read or reading or write or writing or retrieve or retrieving or throughput or throughputs)) or ((Selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4 (algorithm or algorithms or mode or modes) same (parameter or parameters or attribute or attributes)))</p>	<p>PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD</p>	<p>OR</p>	<p>YES</p>		<p>07-11-2014</p>


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BIB DATA SHEET
CONFIRMATION NO. 9902

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
14/033,245	09/20/2013	375	2634	2855.0050007		
RULE						
APPLICANTS Realtime Data, LLC, Armonk, NY, Assignee (with 37 CFR 1.172 Interest); INVENTORS James J. Fallon, Armonk, NY; Stephen J. McErlain, New York, NY;						
** CONTINUING DATA ***** This application is a CON of 13/154,239 06/06/2011 PAT 8553759 which is a CON of 12/123,081 05/19/2008 PAT 8073047 which is a CON of 10/076,013 02/13/2002 PAT 7386046 which claims benefit of 60/268,394 02/13/2001						
** FOREIGN APPLICATIONS *****						
** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 10/08/2013						
Foreign Priority claimed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Met after Allowance	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119(a-d) conditions met	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		NY	4	30	4
Verified and	/TESFALDET BOCURE/	Initials				
Acknowledged	Examiner's Signature					
ADDRESS STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005 UNITED STATES						
TITLE Systems and Methods for Video and Audio data Storage and Distribution.						
FILING FEE RECEIVED 3120	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees				
		<input type="checkbox"/> 1.16 Fees (Filing)				
		<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)				
		<input type="checkbox"/> 1.18 Fees (Issue)				
		<input type="checkbox"/> Other _____				
		<input type="checkbox"/> Credit				

Search Notes 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

CPC- SEARCHED		
Symbol	Date	Examiner
((H03M7/30; H03M7/3084; 03M7/3059; G06F17/30153; G06F2212/40; G06F12/0246; G06F17/30501; G06F3/0679; G06F3/0688; H04L69/04; Y10S707/99931; Y10S707/99942;H04W28/06 H04N1/00236;H04N2201/3283; G11C29/40;	2/20/2014	TB
	7/1/2014	TB
CPC Search Updated	7/11/2014	TB

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
375	240, E7.094	2/20/2014	TB
707	E17.001	2/20/2014	TB
711	E12.008, 154,	2/20/2014	TB
709	247	2/20/2014	TB
708	203	2/20/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Searched ALL (\$8.ccls.)	2/21/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Search Updated ALL	7/1/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Search Updated ALL (\$8.ccls.)	7/11/2014	TB

	/TESFALDET BOCURE/ Primary Examiner.Art Unit 2634
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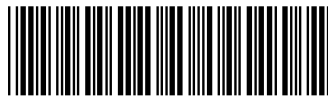
SEARCH NOTES

Search Notes	Date	Examiner
EAST and Inventor's name Searched	2/20/2104	TB
EAST Updated	2/21/2014	TB
CPC Search Note for IPC and USPC: (G06F17/30 OR G06F12/00 OR G06F12/02 OR H03M7/30 OR H04B1/66 OR H04N7/26 OR H04N11/02 OR H04J3/18).IPCR.)	2/21/2014	TB
CPC Search Note for IPC and USPC: (358/426.01 375/E7.144 382/232 382/239 382/244 370/477 704/500 704/504 707/999.001 710/74 341/51 369/60.01 455/72 708/203 709/247 711/113).CCLS. or (H04N1/41 H03M7/30 G11B20/00 H04B1/66 G10L19/00).IPCR.)	7/1/2014 and 7/11/2014	TB
CPC Seearch class/subclasses: ((H04N19/0026 G06F21/80 G11C29/40 G09G2340/02 H04B1/66 H04W28/06).CPC.	7/1/2014 and 7/11/2014	TB

INTERFERENCE SEARCH

US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
375	240, 240.01, 204.02	7/11/2014	TB


	/TESFALDET BOCURE/ Primary Examiner.Art Unit 2634
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Issue Classification 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.	
	Examiner TESFALDET BOCURE	Art Unit 2634	

CPC						
Symbol					Type	Version
H03M	7			6094	F	2013-01-01
H03M	7			3084	I	2013-01-01
H03M	7			30	I	2013-01-01


CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

NONE		Total Claims Allowed:	
		30	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/TESFALDET BOCURE/ Primary Examiner.Art Unit 2634	07/11/2014	1	1
(Primary Examiner)	(Date)		

Issue Classification 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634


US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION														
CLASS			SUBCLASS			CLAIMED					NON-CLAIMED									
375			240.01			H	0	4	N	7 / 12 (2006.01.01)										
CROSS REFERENCE(S)																				
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																			

NONE		Total Claims Allowed:	
		30	
(Assistant Examiner) /TESFALDET BOCURE/ Primary Examiner.Art Unit 2634	(Date) 07/11/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant																<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original						
1	1	22	17	11	33																
-	2	16	18	12	34																
14	3	23	19	13	35																
2	4	24	20	30	36																
3	5	25	21	18	37																
4	6	26	22																		
5	7	-	23																		
6	8	-	24																		
7	9	-	25																		
8	10	-	26																		
-	11	-	27																		
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17	13	28	29																		
19	14	29	30																		
20	15	9	31																		
21	16	10	32																		

NONE		Total Claims Allowed:	
		30	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/TESFALDET BOCURE/ Primary Examiner. Art Unit 2634	07/11/2014	1	1
(Primary Examiner)	(Date)		

Index of Claims 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

✓	Rejected
=	Allowed


-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE							
Final	Original	12/03/2013	02/22/2014	07/08/2014					
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-	2	÷	✓	-					
14	3	÷	✓	=					
2	4	÷	✓	=					
3	5	÷	✓	=					
4	6	÷	✓	=					
5	7	÷	✓	=					
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8	10	÷	✓	=					
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9	31			=					
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11	33			=					
12	34			=					
13	35			=					
30	36			=					

<i>Index of Claims</i> 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47			
CLAIM		DATE							
Final	Original	12/03/2013	02/22/2014	07/08/2014					
18	37			=					

Substitute for form 1449/PTO SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			<i>Complete if Known</i>			
			Application Number	14/033,245		
			Filing Date	September 20, 2013		
			First Named Inventor	James J. FALLON		
			Art Unit	2634		
			Examiner Name	BOCURE, Tesfaldet		
			Attorney Docket Number	2855.0050007		
Sheet	1	of	1			

U.S. PATENT DOCUMENTS					
Examiner initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	US1	5,881,104	03-09-1999	Akahane	
	US2	7,050,639 B1	05-23-2006	Barnes et al.	
	US3	2002/0078241 A1	06-20-2002	Vidal et al.	
	US4	2003/0058873 A1	03-27-2003	Geiger et al.	

FOREIGN PATENT DOCUMENTS						
Examiner initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

1826473_1

Examiner Signature	/Tesfaldet Bocure/	Date Considered	07/11/2014
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO		Complete if Known	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	1	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	Copy of Notice of Allowance for U.S. Appl. No. 13/101,994, mailed February 20, 2014, 5 pages.	
	NPL2	Copy of Supplemental Notice of Allowance for U.S. Appl. No. 12/857,238, mailed February 25, 2014, 2 pages.	
	NPL3	Copy of Non-Final Office Action for U.S. Appl. No. 14/134,933, mailed February 25, 2014, 7 pages.	
	NPL4	Copy of Non-Final Office Action for U.S. Appl. No. 14/134,926, mailed February 27, 2014, 16 pages.	
	NPL5	Copy of Final Office Action for U.S. Appl. No. 09/969,987, mailed April 8, 2014, 8 pages.	
	NPL6	Copy of Non-Final Office Action for U.S. Application No. 13/403785, mailed May 9, 2014, 5 pages.	
	NPL7	Declaration of Dr. James W. Modestino under 37 C.F.R. § 1.132 in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, executed November 29, 2013; 51 pages.	
	NPL8	Declaration of Dr. James W. Modestino under 37 C.F.R. § 1.132 in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, executed November 29, 2013; 49 pages.	
	NPL9	Declaration of Dr. James W. Modestino under 37 C.F.R. § 1.132 in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, executed November 29, 2013; 50 pages.	
	NP110	Patent Owner's Supplemental Reply to Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, filed February 27, 2014, 10 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	07/11/2014
-----------------------	-------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Comcast - Exhibit 1002, page 504

Substitute for form 1449/PTO		Complete if Known	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL11	Patent Owner's Supplemental Reply to Action Closing Prosecution in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, filed February 27, 2014, 9 pages.	
	NPL12	Corrected Request to Reopen Prosecution Before the Examiner under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed March 11, 2014, 48 pages.	
	NPL13	Corrected Request to Reopen Prosecution Before the Examiner under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed March 11, 2014, 39 pages.	
	NPL14	Corrected Request to Reopen Prosecution Before the Examiner under 37 C.F.R. § 41.77(b) in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed March 11, 2014, 67 pages.	
	NPL15	U.S. Patent Application No. 14/251,453, James J. FALLON, "Data Compression Systems and Methods," filed April 11, 2014.	

1826475_1

Examiner Signature	/Tefaldet Bocure/	Date Considered	07/11/2014
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE, and PUBLICATION FEE, (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address, and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

1. CURRENT CORRESPONDENCE ADDRESS (Note Use Block 1 for any change - *Use Fee(s)*)

2013 7500 07/22/2014
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

_____ Date
_____ Signature
_____ Title

APPLICATION NO.	FILING DATE	FIRST NAME OF INVENTOR	APPLICANT'S OFFICE NO.	CONFIRMATION NO.
11001415	09/20/2013	James J. Fallon	2855 0050007	9902

TITLE OF INVENTION: Systems and Methods for Video and Audio data Storage and Distribution.

APPL. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PRIN. PAID ISSUE FEE	FORMAL DEFENSE DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$900	\$0	\$0	\$900	10/22/2014

EXAMINER	ART UNIT	CLASSIFICATION
BOCURE, HENRI ADRI	2634	375-240000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363)

Change of correspondence address for Change of Correspondence Address form PTO/SB(122) attached

"Fee Address" indication for "Fee Address" Indication form PTO/SB(13) Rev 03/02 or more recent attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list:

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Sterne, Kessler, Goldstein &
 2 Fox P.L.L.C.
 3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: **Realtime Data LLC**

(B) RESIDENCE (CITY and STATE OR COUNTRY): **Armonk, New York**

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:

Issue Fee

Publication Fee (No small entity discount permitted)

Advance Order # of Copies

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

A check is enclosed.

Payment by credit card. Form PTO-2036 is attached.

The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number **19-0036** (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

Applicant certifying micro entity status. See 37 CFR 1.29. **NOTE:** Absent a valid certification of Micro Entity Status (see forms PTO/SB(15A) and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

Applicant asserting small entity status. See 37 CFR 1.27. **NOTE:** If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

Applicant changing to regular undiscouted fee status. **NOTE:** Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.44 for signature requirements and certifications.

Authorized Signature:  Date: **August 20, 2014**

Typed or printed name: **Michael V. Messinger** Registration No. **37,575**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 9902
Realtime Data, LLC	Art Unit: 2634
Appl. No.: 14/033,245	Examiner: BOCURE, Tesfaldet
Filed: September 20, 2013	Atty. Docket: 2855.0050007
For: Systems and Methods for Video and Audio Data Storage and Distribution	

Amendment Under 37 C.F.R. § 1.312

Mail Stop Issue Fee

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

Submitted herein is an Amendment Under 37 C.F.R. § 1.312. As payment of the issue fee has not yet been made or is filed herewith, Applicant respectfully submits that filing under 37 C.F.R. § 1.312 is proper. (M.P.E.P. § 714.16.)

It is believed that extensions of time are not required beyond those that may otherwise be provided for in documents accompanying this Amendment. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments to the Specification

1. Applicant respectfully requests ¶ [0080] of the Specification as filed on December 19, 2013 and as amended in the Amendment Under 37 C.F.R. § 1.111 that was filed on May 27, 2014 be amended as follows:

[0080] Fig. 3 illustrates a preferred embodiment of a data storage controller 120 as described in the above-incorporated U.S. Serial No. 09/775,905, now U.S. Patent No. 6,748,457, for implementing a bandwidth sensitive data compression protocol as described herein. The data storage controller 120 comprises a DSP (digital signal processor) 121 (or any other microprocessor device) that implements a data compression/decompression routine. The DSP 121 preferably employs a plurality of symmetric and asymmetric compression/ decompression as described herein. The data storage controller 120 further comprises at least one programmable logic device 122 (or volatile logic device). The programmable logic device 122 preferably implements the logic (program code) for instantiating and driving both a disk interface 114 and a bus interface 115 and for providing full DMA (direct memory access) capability for the disk and bus interfaces 114, 115. Further, upon host computer power-up and/or assertion of a system-level “reset” (e.g., PCI Bus reset), the DSP 121 initializes and programs the programmable logic device 122 before of the completion of initialization of the host computer. This advantageously allows the data storage controller 120 to be ready to accept and process commands from the host computer (via the bus 116) and retrieve boot data from the disk (assuming the data storage controller 120 is

implemented as the boot device and the hard disk stores the boot data (e.g., operating system, etc.))

2. Applicant respectfully requests ¶ [0083] of the Specification as filed on September 20, 2013 and as amended in the Amendment Under 37 C.F.R. § 1.111 that was filed on May 27, 2014 be further amended as follows:

[0083] The storage controller 120 further comprises computer reset and power up circuitry 128 (or “boot configuration circuit”) for controlling initialization (either cold or warm boots) of the host computer system and storage controller 120. A preferred boot configuration circuit and preferred computer initialization systems and protocols are described in U.S. Patent Application Serial No. 09/775,897, filed on February 2, 2001, entitled “System and Methods For Computer Initialization,” ~~now abandoned~~, published as U.S. Patent Publication No. US 2001-0047473 A1, which is commonly assigned and incorporated herein by reference. Preferably, the boot configuration circuit 128 is employed for controlling the initializing and programming the programmable logic device 122 during configuration of the host computer system (i.e., while the CPU of the host is held in reset). The boot configuration circuit 128 ensures that the programmable logic device 122 (and possibly other volatile or partially volatile logic devices) is initialized and programmed before the bus 116 (such as a PCI bus) is fully reset. In particular, when power is first applied to the boot configuration circuit 128, the boot configuration circuit 28 generates a control signal to reset the local system (e.g., storage

controller 120) devices such as a DSP, memory, and I/O interfaces. Once the local system is powered-up and reset, the controlling device (such as the DSP 121) will then proceed to automatically determine the system environment and configure the local system to work within that environment. By way of example, the DSP 121 of the disk storage controller 120 would sense that the data storage controller 120 is on a PCI computer bus (expansion bus) and has attached to it a hard disk on an IDE interface. The DSP 121 would then load the appropriate PCI and IDE interfaces into the programmable logic device 122 prior to completion of the host system reset. Once the programmable logic device 122 is configured for its environment, the boot device controller is reset and ready to accept commands over the computer/expansion bus 116.

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) A method, comprising:
determining a parameter or attribute of at least a portion of a data block having audio or video data;
selecting an access profile from among a plurality of access profiles based upon the determined parameter or attribute; and
compressing the at least the portion of the data block with one or more compressors using asymmetric data compression and information from the selected access profile to create one or more compressed data blocks, the information being indicative of the one or more compressors to apply to the at least the portion of the data.

2. (Cancelled)

3. (Currently Amended) A method, comprising:
determining a parameter or attribute of at least a portion of a data block;
selecting an access profile from among a plurality of access profiles based upon the determined parameter or attribute; and
compressing the at least the portion of the data block with one or more compressors utilizing information from the selected access profile to create one or more compressed data blocks, the information being indicative of the one or more compressors to apply to the at least the portion of the data block,

wherein the one or more compressors utilize at least one slow compress encoder and at least one slow fast decompress decoder, and

wherein compressing the at least the portion of the data block with the at least one slow compress encoder takes more time than decompressing the at least the portion of the data block with the at least one fast decompress decoder if the time were measured with the at least one slow compress encoder and the at least one fast decompress decoder running individually on a common host system.

4. (Previously Presented) The method of claim 1, wherein the data block is from among a plurality of data blocks, and wherein the compressing comprises:

compressing the plurality of data blocks to create the one or more compressed data blocks.

5. (Previously Presented) The method of claim 4, wherein the plurality of data blocks comprises:

one or more files.

6. (Previously Presented) The method of claim 1, wherein the one or more compressed data blocks comprise:

one or more files.

7. (Previously Presented) The method of claim 1, further comprising:

storing at least a portion of the one or more compressed data blocks in one or more files.

8. (Previously Presented) The method of claim 1, further comprising:
storing at least a portion of the one or more compressed data blocks.

9. (Previously Presented) The method of claim 8, further comprising:
retrieving at least a portion of the at least stored portion of the one or more
compressed data blocks;
transmitting the at least retrieved portion of the at least stored portion of the one
or more compressed data blocks over the Internet; and
decompressing the at least transmitted portion of the at least stored portion of the
one more compressed data blocks.

10. (Previously Presented) The method of claim 1, further comprising:
selecting the one or more compressors to compress the at least the portion of the
data block to create at least a second compressed data block based upon a number of
reads of at least a portion of a first compressed data block that was created from the at
least the portion of the data block.

11. (Cancelled)

12. (Previously Presented) A method, comprising:
determining a parameter or an attribute of at least a portion of a data block;
selecting one or more asymmetric compressors from among a plurality of
compressors based upon the determined parameter or attribute;

compressing the at least the portion of the data block with the selected one or more asymmetric compressors to provide one or more compressed data blocks; and storing at least a portion of the one or more compressed data blocks.

13. (Previously Presented) The method of claim 18, further comprising: retrieving and transmitting at least a portion of the at least stored one or more portions of the one or more compressed data blocks based upon a user command.

14. (Previously Presented) The method of claim 18, further comprising: retrieving and transmitting at least a portion of the at least stored one or more portions of the one or more compressed data blocks based upon a user value.

15. (Previously Presented) The method of claim 18, further comprising: retrieving and transmitting at least a portion of the at least stored one or more portions of the one or more compressed data blocks based upon a utilized capacity of a portion of a memory device.

16. (Previously Presented) The method of claim 18, further comprising: retrieving and transmitting at least a portion of the at least stored one or more portions of the one or more compressed data blocks based upon a throughput of a communication channel used for transmission of the at least retrieved portion of the at least stored one or more portions of the one or more compressed data blocks.

17. (Previously Presented) The method of claim 18, wherein the at least stored

one or more portions of the one or more compressed data blocks comprises:

audio or video information.

18. (Previously Presented) The method of claim 12, wherein the compressing comprises:

compressing the at least the portion of the data block with the selected one or more asymmetric compressors to create one or more portions of the one or more compressed data blocks, the at least the portion of the data block having been compressed with the one or more selected asymmetric compressors to create the one or more portions of the one or more compressed data blocks, and wherein the storing comprises:

storing at least the one or more portions of the one or more compressed data blocks.

19. (Previously Presented) The method of claim 18, further comprising:
retrieving and transmitting at least a portion of the at least one or more stored portions of the one or more compressed data blocks in real-time; and

decompressing a portion of the at least transmitted portion of the at least one or more stored portions of the one or more compressed data blocks after transmission in real-time.

20. (Previously Presented) The method of claim 12, wherein the selecting comprises:

selecting the one or more asymmetric compressors based upon the determined

parameter or attribute and a number of reads of the at least the portion of the data block.

21. (Previously Presented) The method of claim 12, further comprising:

decompressing at least a portion of the one or more compressed data blocks to provide one or more decompressed data blocks based upon a first number of reads of the least the portion of one or more compressed data blocks; and

recompressing at least a portion of the one or more decompressed data blocks with the one or more asymmetric compressors.

22. (Currently Amended) The method of claim 21, wherein the selection of the one or more asymmetric compressors for recompressing the at least the portion of the one or more decompressed data blocks was based upon a second number of reads of the at least the portion of the one or more compressed data blocks.

23. – 27. (Cancelled)

28. (Previously Presented) A method, comprising:

selecting one or more compressors based upon a number of reads of at least a portion of a compressed data block having audio or video data to identify one or more selected compressors; and

compressing at least a portion of a second data block with the one or more selected compressors using asymmetric data compression to provide a compressed data block.

29. (Previously Presented) The method of claim 28, wherein the number of reads of the at least the portion of the compressed data block occurs within a given period of time.

30. (Currently Amended) The method of claim 28, further comprising:
retrieving and transmitting ~~[[a]]~~ the at least the portion of the compressed block based upon a user command.

31. (Currently Amended) The method of claim 1, wherein the determining of the parameter or attribute of the at least the portion of the data block excludes determining based only upon reading a descriptor of the at least the portion of the data block.

32. (Previously Presented) The method of claim 1, wherein the at least the portion of the data block is from among a plurality of data blocks; and wherein the compressing comprises:

compressing at least a portion of the plurality of data blocks with the one or more compressors using the asymmetric data compression and the information to create the one or more compressed data blocks.

33. (Previously Presented) The method of claim 32, wherein the plurality of data blocks or the one or more compressed data blocks comprise:
at least a portion of a file.

34. (Previously Presented) The method of claim 1, wherein the compressing comprises:

compressing the at least the portion of the data block with the selected one or more asymmetric compressors to create one or more portions of the one or more compressed data blocks, the at least the portion of the data block having been compressed with the selected one or more asymmetric compressors to create the one or more portions of the one or more compressed data blocks, and further comprising:

storing at least the one or more portions of the one or more compressed data blocks.

35. (Previously Presented) The method of claim 34, further comprising:

retrieving at least a portion of the at least stored one or more portions of the one or more compressed data blocks;

transmitting the at least retrieved portion of the at least stored one or more portions of the one or more compressed data blocks over the Internet; and

decompressing the at least transmitted portion of the at least stored one or more portions of the one or more compressed data blocks in real-time.

36. (Previously Presented) The method of claim 18, further comprising:

retrieving at least a portion of the at least stored one or more portions of the one or more compressed data blocks based upon a utilized capacity of one or more central processing units (CPUs).

37. (Previously Presented) The method of claim 13, wherein the retrieving is based upon a utilized capacity of one or more central processing units (CPUs).

Remarks

Reconsideration of this Application and entry of the above Amendment is respectfully requested.

Upon entry of the foregoing amendment, claims 1, 3-10, 12-22, and 28-37 are allowed in the application, with claims 1, 3, 12, and 28 being the independent claims. Claims 3, 22, 30, and 31 are sought to be amended to correct formal matters in these claims without changing the scope thereof. Applicant reserves the right to prosecute similar or broader claims, with respect to the amended claims in the future. The Specification as filed on September 30, 2009 and as amended in the Amendment Under 37 C.F.R. § 1.111 that was filed on May 27, 2014 is sought to be further amended. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Allowed Claims

Claims 1, 3-10, 12-22, and 28-37

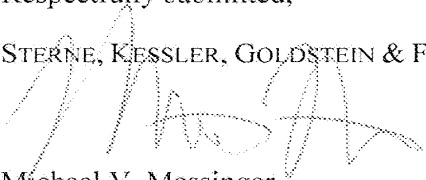
Applicant thanks the Examiner for indicating the allowability of claims 1, 3-10, 12-22, and 28-37 in the Notice of Allowability dated October 22, 2007.

Conclusion

Prompt and favorable consideration of this Amendment is respectfully requested.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.


Michael V. Messinger
Attorney for Applicant
Registration No. 37,575

Date: _____

August 20, 2014

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600
1892480_1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Realtime Data, LLC Appl. No.: 14/033,245 Filed: September 20, 2013 For: Systems and Methods for Video and Audio Data Storage and Distribution	Confirmation No.: 9902 Art Unit: 2634 Examiner: BOCURE, Tesfaldet Atty. Docket: 2855.0050007
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Third Supplemental Information Disclosure Statement

Mail Stop Issue Fee

Commissioner for Patents
 PO Box 1450
 Alexandria, VA 22313-1450

Commissioner:

Notice of Prior and Concurrent Proceedings

Applicant hereby calls to the attention of the Patent and Trademark Office the following reexamination proceedings involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,486)	Inter Partes Reexamination Certificate issued 10/10/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/000,466)	Inter Partes Reexamination Certificate issued 05/15/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,453)	Terminated
<i>Ex Parte</i> Reexamination of U.S. Patent No. 6,601,104 (Control No. 90/009,428)	Ex Parte Reexamination Certificate issued 02/28/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/000,478)	Inter Partes Reexamination Certificate issued 10/04/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,624,761 (Control No. 95/000,464)	Inter Partes Reexamination Certificate issued 06/12/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/000,479)	Inter Partes Reexamination Certificate issued 05/22/2012

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Patent Owner's Request for Rehearing Under 37 C.F.R. § 41.79 mailed 02/14/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Order Remanding <i>Inter Partes</i> Reexamination Under 37 C.F.R. 41.77(d) to the Examiner mailed 05/29/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Order Remanding <i>Inter Partes</i> Reexamination Under 37 C.F.R. 41.77(d) to the Examiner mailed 05/29/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Order Remanding <i>Inter Partes</i> Reexamination Under 37 C.F.R. 41.77(d) to the Examiner mailed 05/29/2014

Applicant hereby calls to the attention of the Patent and Trademark Office the following reexamination proceedings filed by Cellco Partnership d/b/a Verizon Wireless, involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	<i>Inter Partes</i> Reexamination Certificate issued 12/05/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Notice of Appeal filed 07/08/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	<i>Inter Partes</i> Reexamination Certificate issued 08/04/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	Right of Appeal Notice mailed 06/10/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	<i>Inter Partes</i> Reexamination Certificate issued 08/16/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014

Atty. Dkt. No. 2855.0050007

Applicant invites the Examiner to review the Requests for Reexamination, issued Office Actions, replies, and any other papers in the above-identified reexamination proceedings. If the Examiner is unable to obtain copies of papers in any reexamination proceeding, copies can be provided to the Examiner upon request. Those documents which may be material that are not already of record in this patent application are listed on the accompanying Form PTO/SB/08. For example, documents related to the reexaminations are listed as **NPL5-NPL8**.

Notice of Related Litigation

Applicant notifies the Patent and Trademark Office of the following litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
1	<i>Realtime Data LLC d/b/a IXO v. Packeteer, Inc. et al.</i> , No. 6:08-cv-00144-LED (E.D. Texas)	Dismissed

Applicant also notifies the Patent and Trademark Office of the following additional litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
2	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al.</i> No. 1:11-cv-06698-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00333-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
3	<i>Realtime Data LLC d/b/a IXO v. Morgan Stanley et al.</i> , No. 1:11-cv-06696-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00326-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
4	<i>Realtime Data LLC d/b/a IXO v. CME Group Inc., et al.</i> , No. 1:11-cv-06697-RJH (S.D. New York)	Opinion of the Court of Appeals for the

	(transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Federal Circuit received 01/27/2014
5	<i>Chicago Board Options Exchange, Inc., v. Realtime Data LLC d/b/a IXO</i> , No. 09-cv-4486 (N.D. Ill.)	Dismissed
6	<i>Thomson Reuters Corporation v. Realtime Data, LLC d/b/a IXO</i> , No. 1:09-cv-07868-RMB (S.D.N.Y)	Consolidated with Case No. 2
7	<i>Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al. (II)</i> , No. 6:10-cv-246 (E.D. Texas)	Consolidated with Case No. 4
8	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al. (II)</i> , No. 6:10-cv-247 (E.D. Texas)	Consolidated with Case No. 2
9	<i>Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al. (II)</i> , No. 6:10-cv-248 (E.D. Texas)	Consolidated with Case No. 3
10	<i>Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC et al.</i> , No. 6:10-cv-00493 (E.D. Texas)	Appeal Terminated

Information Disclosure Statement

Listed on accompanying IDS Form PTO/SB/08b equivalent are documents that may be considered material to the patentability of this application as defined in 37 C.F.R. §1.56, and in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.97 and 1.98.

Applicant has listed publication dates on the attached IDS Form based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

Atty. Dkt. No. 2855.0050007

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but on or before payment of the Issue Fee. The required fee is provided through online credit card payment authorization in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

Copies of documents **NPL1-NPL8** are submitted.

Applicant submits herewith Office Actions from the co-pending U.S. Patent Application Nos.:

Document **NPL1** is a copy of a Final Office Action mailed June 18, 2014, in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 13/118,122.

Atty. Dkt. No. 2855.0050007

Document **NPL2** is a copy of a Notice of Allowance mailed June 25, 2014, in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 14/251,453.

Document **NPL3** is a copy of a Final Office Action mailed June 27, 2014, in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 14/134,933.

Document **NPL4** is a copy of a Notice of Allowance mailed July 8, 2014, in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 14/134,926.

The identification of these Office Actions is not to be construed as a waiver of secrecy as to those applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

It is expected that the examiner will review the prosecution and cited art in the parent application nos. 10/076,013, filed February 13, 2002 (now U.S. Patent No. 7,386,046); 12/123,081, filed May 19, 2008 (now U.S. Patent No. 8,073,047); and 13/154,239, filed June 6, 2011 (now U.S. Patent No. 8,553,759), in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

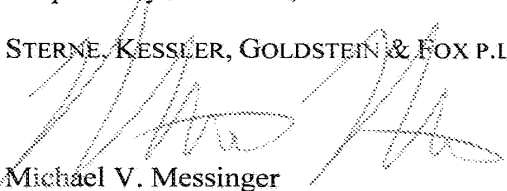
It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Form, and indicate in the official file wrapper of this patent application that the documents have been considered.

Atty. Dkt. No. 2855.0050007

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.


Michael V. Messinger
Attorney for Applicant
Registration No. 37,575

Date: August 20, 2014

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

1891367_1.DOCX

Substitute for form 1449/PTO		Complete if Known	
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	1	of	1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	Copy of Final Office Action for U.S. Application No. 13/118,122, mailed June 18, 2014, 14 pages.	
	NPL2	Copy of Notice of Allowance for U.S. Appl. No. 14/251,453, mailed June 25, 2014; 8 pages.	
	NPL3	Copy of Final Office Action for U.S. Appl. No. 14/134,933, mailed June 27, 2014; 9 pages.	
	NPL4	Copy of Notice of Allowance for U.S. Appl. No. 14/134,926, mailed July 8, 2014, 9 pages.	
	NPL5	Right of Appeal Notice Under 37 C.F.R. § 1.953 in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, mailed June 9, 2014, 14 pages.	
	NPL6	Right of Appeal Notice Under 37 C.F.R. § 1.953 in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925 mailed June 10, 2014, 10 pages.	
	NPL7	Notice of Intent to Issue a Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,924, mailed June 27, 2014, 7 pages.	
	NPL8	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,924, mailed August 4, 2014, 4 pages.	

1891362_1.DOCX

Examiner Signature	Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Electronic Patent Application Fee Transmittal				
Application Number:	14033245			
Filing Date:	20-Sep-2013			
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.			
First Named Inventor/Applicant Name:	James J. Fallon			
Filer:	Michael V. Messinger/Ann-Marie Fazekas			
Attorney Docket Number:	2855.0050007			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	1501	1	960	960
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
Total in USD (\$)				1140

Electronic Acknowledgement Receipt

EFS ID:	19920100
Application Number:	14033245
International Application Number:	
Confirmation Number:	9902
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.
First Named Inventor/Applicant Name:	James J. Fallon
Customer Number:	26111
Filer:	Michael V. Messinger/Ann-Marie Fazekas
Filer Authorized By:	Michael V. Messinger
Attorney Docket Number:	2855.0050007
Receipt Date:	20-AUG-2014
Filing Date:	20-SEP-2013
Time Stamp:	18:25:36
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$1140
RAM confirmation Number	4583
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1		285500500071Fand3rdSuppIDS.pdf	10376319 ed87a9ade7a4d8281d768291af0d32faa3d9475f	yes	26
Multipart Description/PDF files in .zip description					
		Document Description	Start	End	
		Miscellaneous Incoming Letter	1	2	
		Issue Fee Payment (PTO-85B)	3	3	
		Amendment after Notice of Allowance (Rule 312)	4	4	
		Specification	5	7	
		Claims	8	16	
		Applicant Arguments/Remarks Made in an Amendment	17	18	
		Information Disclosure Statement (IDS) Form (SB08)	19	26	
Warnings:					
Information:					
2	Non Patent Literature	NPL1_FOA_13118122_06182014.pdf	425568 b714a6c0d021d367ed2a290c4ba92f877f875cd	no	14
Warnings:					
Information:					
3	Non Patent Literature	NPL2_NOA_14251453_06252014.pdf	430088 5173c673f00116facd34126593c86635943ba476	no	8
Warnings:					
Information:					
4	Non Patent Literature	NPL3_FOA_14134933_06272014.pdf	329800 afacad8ce45e0076d242c155007ce50a28835049	no	9
Warnings:					
Information:					
5	Non Patent Literature	NPL4_NOA_14134926_07082014.pdf	453459 1031c28f4d57837c3ca40333d5372baecb86bc1f	no	9
Warnings:					
Information:					
6	Non Patent Literature	NPL5_RAN_95001923_06092014.pdf	496972 f7c3c54c8bf07444d4f2417afc58f08583d378da	no	14

Warnings:					
Information:					
7	Non Patent Literature	NPL6_RAN_95001925_06102014.pdf	327226 cd8e02d381577590f3d86d673c966c8fa97f5175	no	10
Warnings:					
Information:					
8	Non Patent Literature	NPL7_NIIRC_95001924_06272014.pdf	230696 9c349dd7827b1624eb9df8ef8bb792602448cdfd	no	7
Warnings:					
Information:					
9	Non Patent Literature	NPL8_Reexam_Cert_95001924_08042014.pdf	369303 868825f0f77e0fdad258e1fbc025140fb041b9	no	4
Warnings:					
Information:					
10	Fee Worksheet (SB06)	fee-info.pdf	31531 4e124314d5e757a47b5a13fce2edc225ddc0592a	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			13470962		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

MICHAEL V. MESSINGER
DIRECTOR
(202) 772-8667
MIKEM@SKGF.COM



August 20, 2014

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Confirmation No. 9902
Mail Stop Issue Fee

Re: Allowed U.S. Utility Patent Application
Appl. No. 14/033,245; Filed: September 20, 2013
For: **Systems and Methods for Video and Audio Data Storage and
Distribution**
Inventors: FALLON *et al.*
Our Ref: 2855.0050007

Commissioner:

In response to the **Notice of Allowance and Fee(s) Due** dated July 22, 2014, the following documents are transmitted for appropriate action by the U.S. Patent and Trademark Office:

1. Issue Fee Transmittal (Form PTOL-85);
2. Online Credit Card Payment Authorization for \$1,140.00 to cover:
\$960.00 – Issue Fee payment;
\$180.00 – Information Disclosure Statement Fee;
3. Amendment Under 37 C.F.R. §1.312;
4. Third Supplemental Information Disclosure Statement;
5. Form PTO/SB/08b (1 sheet) listing 8 documents (NPL1-NPL8); and
6. Copies of cited documents (NPL1-NPL8).

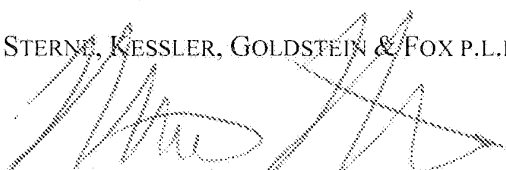
The above-listed documents are filed electronically through EFS-Web.

Commissioner for Patents
August 20, 2014
Page 2

Fee payment is provided through online credit card payment. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael V. Messinger
Attorney for Applicant
Registration No. 37,575

MVM/MRM/aff
Enclosure

1886729_1



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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14/033,245 09/20/2013 James J. Fallon 2855.0050007 9902

26111 7590 08/28/2014
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

BOCURE, TESFALDET

ART UNIT PAPER NUMBER

2634

MAIL DATE DELIVERY MODE

08/28/2014

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.

Information Disclosure Statement

2. In response to the Information Disclosure Statements (IDSs) **after allowance** before payment of issue fee received on 8/20/2014, the following action has been taken:

THE PRESECUTION OF THIS CASE IS CLOSED AS OF THE DTAE THE NOTICE OF ALLOWANCE WAS MAILED ON 8/12/2014.

The IDS received on 8/20/2014 has been considered by the Examiner and the initialed copy of the IDS is attached with this correspondence.

Response to Amendment Under Rule CFR § 1.312

3. In response to amendment and remark received under Rule CFR § 1.312 on 8/20/2014, the following actions have taken:

The amendments to correct minor informalities in claims 3,22,30 and 31 do not constitute new matter nor raise new matter and have been entered; and
The amendment to update the related patent applications disclosed in ¶ [0080] and [0083] do not constitute new matter nor raise new matter and have been entered.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TESFALDET BOCURE whose telephone number is (571)272-3015. The examiner can normally be reached on Mon-Th, 8:30-6:00 and 8:30-5:00 2nd Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DANIEL C. WASHBURN can be reached on (571)272-5551. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/TESFALDET BOCURE/
Primary Examiner, Art Unit 2634

/T. B./
Primary Examiner, Art Unit 2634

Response to Rule 312 Communication	Application No.	Applicant(s)
	14/033,245	FALLON ET AL.
	Examiner	Art Unit
	TESFALDET BOCURE	2634

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

1. The amendment filed on 20 August 2014 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.

See attached office action.

/TESFALDET BOCURE/
Primary Examiner, Art Unit 2634

OK TO ENTER: /T.B./

/T.B./ 08/24/2014

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.: 9902
Realtime Data, LLC	Art Unit: 2634
Appl. No.: 14/033,245	Examiner: BOCURE, Tesfaldet
Filed: September 20, 2013	Atty. Docket: 2855.0050007
For: Systems and Methods for Video and Audio Data Storage and Distribution	

Amendment Under 37 C.F.R. § 1.312

Mail Stop Issue Fee

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

Submitted herein is an Amendment Under 37 C.F.R. § 1.312. As payment of the issue fee has not yet been made or is filed herewith, Applicant respectfully submits that filing under 37 C.F.R. § 1.312 is proper. (M.P.E.P. § 714.16.)

It is believed that extensions of time are not required beyond those that may otherwise be provided for in documents accompanying this Amendment. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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14/033,245	09/20/2013	James J. Fallon	2855.0050007	9902
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26111 7590 10/22/2014
 STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
 1100 NEW YORK AVENUE, N.W.
 WASHINGTON, DC 20005

EXAMINER

BOCURE, TESFALDET

ART UNIT	PAPER NUMBER
----------	--------------

2634

MAIL DATE	DELIVERY MODE
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10/22/2014

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Supplemental Notice of Allowability	Application No. 14/033,245	Applicant(s) FALLON ET AL.	
	Examiner TESFALDET BOCURE	Art Unit 2634	AIA (First Inventor to File) Status No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to IDS and amendment under Rule CFR § 1.312 filed on 8/20/14.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1,3-10,12-22 and 28-37. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>8/20/14</u> | 6. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

/TESFALDET BOCURE/
Primary Examiner, Art Unit 2634

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.

Information Disclosure Statement

2. In response to the Information Disclosure Statements (IDSs) **after allowance** before payment of issue fee received on 8/20/2014, the following action has been taken:

THE PRESECUTION OF THIS CASE IS CLOSED AS OF THE DTAE THE NOTICE OF ALLOWANCE WAS MAILED ON 8/12/2014.

The IDS received on 8/20/2014 has been considered by the Examiner and the initialed copy of the IDS is attached with this correspondence.

Response to Amendment Under Rule CFR § 1.312

3. In response to amendment and remark received under Rule CFR § 1.312 on 8/20/2014, the following actions have taken:

The amendments to correct minor informalities in claims 3,22,30 and 31 do not constitute new matter nor raise new matter and have been entered; and
The amendment to update the related patent applications disclosed in ¶ [0080] and [0083] do not constitute new matter nor raise new matter and have been entered.

Conclusion


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TESHALDET BOCURE whose telephone number is (571)272-3015. The examiner can normally be reached on Mon-Th, 8:30-6:00 and 8:30-5:00 2nd Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DANIEL C. WASHBURN can be reached on (571)272-5551. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/TESHALDET BOCURE/
Primary Examiner, Art Unit 2634

/T. B./
Primary Examiner, Art Unit 2634

Index of Claims 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

✓	Rejected
=	Allowed


-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE								
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14	3	÷	✓	=	=					
2	4	÷	✓	=	=					
3	5	÷	✓	=	=					
4	6	÷	✓	=	=					
5	7	÷	✓	=	=					
6	8	÷	✓	=	=					
7	9	÷	✓	=	=					
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12	34			=	=					
13	35			=	=					
30	36			=	=					

Index of Claims 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47			
CLAIM		DATE							
Final	Original	12/03/2013	02/22/2014	07/08/2014	10/14/2014				
18	37			=	=				

OK TO ENTER: /T.B./

/T.B./ 10/14/2014

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Realtime Data, LLC

Appl. No.: 14/033,245

Filed: September 20, 2013

For: **Systems and Methods for Video and
Audio Data Storage and
Distribution**

Confirmation No.: 9902

Art Unit: 2634

Examiner: BOCURE, Tesfaldet

Atty. Docket: 2855.0050007

Amendment Under 37 C.F.R. § 1.312


Mail Stop Issue Fee

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

Submitted herein is an Amendment Under 37 C.F.R. § 1.312. As payment of the issue fee has not yet been made or is filed herewith, Applicant respectfully submits that filing under 37 C.F.R. § 1.312 is proper. (M.P.E.P. § 714.16.)

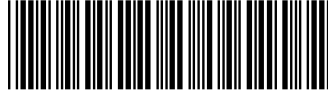
It is believed that extensions of time are not required beyond those that may otherwise be provided for in documents accompanying this Amendment. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.

Issue Classification 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

CPC						
Symbol					Type	Version
H03M		7		6094	F	2013-01-01
H03M		7		30	I	2013-01-01
H03M		7		3084	I	2013-01-01


CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

NONE	Total Claims Allowed:		
(Assistant Examiner)	(Date)	30	
/TESFALDET BOCURE/ Primary Examiner.Art Unit 2634	10/14/2014	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634


US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION														
CLASS			SUBCLASS			CLAIMED					NON-CLAIMED									
375			240.01			H	O	4	N	7 / 12 (2006.01.01)										
CROSS REFERENCE(S)																				
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																			

NONE		Total Claims Allowed:	
		30	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/TESFALDET BOCURE/ Primary Examiner. Art Unit 2634	10/14/2014	1	1
(Primary Examiner)	(Date)		

Issue Classification 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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-	2	16	18	12	34										
14	3	23	19	13	35										
2	4	24	20	30	36										
3	5	25	21	18	37										
4	6	26	22												
5	7	-	23												
6	8	-	24												
7	9	-	25												
8	10	-	26												
-	11	-	27												
15	12	27	28												
17	13	28	29												
19	14	29	30												
20	15	9	31												
21	16	10	32												

NONE		Total Claims Allowed:	
		30	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/TESFALDET BOCURE/ Primary Examiner. Art Unit 2634	10/14/2014	1	1
(Primary Examiner)	(Date)		

Search Notes 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

CPC- SEARCHED		
Symbol	Date	Examiner
((H03M7/30; H03M7/3084; 03M7/3059; G06F17/30153; G06F2212/40; G06F12/0246; G06F17/30501; G06F3/0679; G06F3/0688; H04L69/04; Y10S707/99931; Y10S707/99942;H04W28/06 H04N1/00236;H04N2201/3283; G11C29/40;	2/20/2014	TB
	7/1/2014	TB
CPC Search Updated	7/11/2014	TB

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
375	240, E7.094	2/20/2014	TB
707	E17.001	2/20/2014	TB
711	E12.008, 154,	2/20/2014	TB
709	247	2/20/2014	TB
708	203	2/20/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Searched ALL (\$8.ccls.)	2/21/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Search Updated ALL	7/1/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Search Updated ALL (\$8.ccls.)	7/11/2014	TB
375, 370, 348, 341, 711, 709, 382,35	Search Updated ALL	10/14/2014	TB

	/TESFALDET BOCURE/ Primary Examiner.Art Unit 2634
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SEARCH NOTES		
Search Notes	Date	Examiner
EAST and Inventor's name Searched	2/20/2104	TB
EAST Updated	2/21/2014	TB
CPC Search Note for IPC and USPC: (G06F17/30 OR G06F12/00 OR G06F12/02 OR H03M7/30 OR H04B1/66 OR H04N7/26 OR H04N11/02 OR H04J3/18).IPCR.)	2/21/2014	TB
CPC Search Note for IPC and USPC: (358/426.01 375/E7.144 382/232 382/239 382/244 370/477 704/500 704/504 707/999.001 710/74 341/51 369/60.01 455/72 708/203 709/247 711/113).CCLS. or (H04N1/41 H03M7/30 G11B20/00 H04B1/66 G10L19/00).IPCR.)	7/1/2014 and 7/11/2014	TB
CPC Seearch class/subclasses: ((H04N19/0026 G06F21/80 G11C29/40 G09G2340/02 H04B1/66 H04W28/06).CPC.	7/1/2014 and 7/11/2014	TB
WEST, CPC and Invnetor's Name Search Updated	10/14/2014	TB

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
375	240, 240.01, 204.02	7/11/2014	TB
375	240, 240.01, 240.02	10/14/2014	TB

	/TESFALDET BOCURE/ Primary Examiner.Art Unit 2634
--	------------------------------------------------------

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
 Realtime Data, LLC
 Appl. No.: 14/033,245
 Filed: September 20, 2013
 For: **Systems and Methods for Video
 and Audio Data Storage and
 Distribution**

Confirmation No.: 9902
 Art Unit: 2634
 Examiner: BOCURE, Tesfaldet
 Atty. Docket: 2855.0050007

Third Supplemental Information Disclosure Statement

Mail Stop Issue Fee

Commissioner for Patents
 PO Box 1450
 Alexandria, VA 22313-1450

Commissioner:

Notice of Prior and Concurrent Proceedings

Applicant hereby calls to the attention of the Patent and Trademark Office the following reexamination proceedings involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,486)	Inter Partes Reexamination Certificate issued 10/10/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/000,466)	Inter Partes Reexamination Certificate issued 05/15/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,453)	Terminated
<i>Ex Parte</i> Reexamination of U.S. Patent No. 6,601,104 (Control No. 90/009,428)	Ex Parte Reexamination Certificate issued 02/28/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/000,478)	Inter Partes Reexamination Certificate issued 10/04/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,624,761 (Control No. 95/000,464)	Inter Partes Reexamination Certificate issued 06/12/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/000,479)	Inter Partes Reexamination Certificate issued 05/22/2012

/Tesfaldet Bocure/

08/23/2014

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Patent Owner's Request for Rehearing Under 37 C.F.R. § 41.79 mailed 02/14/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Order Remanding <i>Inter Partes</i> Reexamination Under 37 C.F.R. 41.77(d) to the Examiner mailed 05/29/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Order Remanding <i>Inter Partes</i> Reexamination Under 37 C.F.R. 41.77(d) to the Examiner mailed 05/29/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Order Remanding <i>Inter Partes</i> Reexamination Under 37 C.F.R. 41.77(d) to the Examiner mailed 05/29/2014

Applicant hereby calls to the attention of the Patent and Trademark Office the following reexamination proceedings filed by Cellco Partnership d/b/a Verizon Wireless, involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	<i>Inter Partes</i> Reexamination Certificate issued 12/05/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Notice of Appeal filed 07/08/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	<i>Inter Partes</i> Reexamination Certificate issued 08/04/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	Right of Appeal Notice mailed 06/10/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	<i>Inter Partes</i> Reexamination Certificate issued 08/16/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014

/Tsfaldet Bocure/

08/23/2014

Atty. Dkt. No. 2855.0050007

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Applicant invites the Examiner to review the Requests for Reexamination, issued Office Actions, replies, and any other papers in the above-identified reexamination proceedings. If the Examiner is unable to obtain copies of papers in any reexamination proceeding, copies can be provided to the Examiner upon request. Those documents which may be material that are not already of record in this patent application are listed on the accompanying Form PTO/SB/08. For example, documents related to the reexaminations are listed as **NPL5-NPL8**.

Notice of Related Litigation

Applicant notifies the Patent and Trademark Office of the following litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
1	<i>Realtime Data LLC d/b/a IXO v. Packeteer, Inc. et al.</i> , No. 6:08-cv-00144-LED (E.D. Texas)	Dismissed

Applicant also notifies the Patent and Trademark Office of the following additional litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
2	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al.</i> No. 1:11-cv-06698-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00333-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
3	<i>Realtime Data LLC d/b/a IXO v. Morgan Stanley et al.</i> , No. 1:11-cv-06696-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00326-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
4	<i>Realtime Data LLC d/b/a IXO v. CME Group Inc., et al.</i> , No. 1:11-cv-06697-RJH (S.D. New York)	Opinion of the Court of Appeals for the

/Tessaldet Bocure/

08/23/2014 Atty. Dkt. No. 2855.0050007

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

	(transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Federal Circuit received 01/27/2014
5	<i>Chicago Board Options Exchange, Inc., v. Realtime Data LLC d/b/a IXO</i> , No. 09-cv-4486 (N.D. Ill.)	Dismissed
6	<i>Thomson Reuters Corporation v. Realtime Data, LLC d/b/a IXO</i> , No. 1:09-cv-07868-RMB (S.D.N.Y)	Consolidated with Case No. 2
7	<i>Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al. (II)</i> , No. 6:10-cv-246 (E.D. Texas)	Consolidated with Case No. 4
8	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al. (II)</i> , No. 6:10-cv-247 (E.D. Texas)	Consolidated with Case No. 2
9	<i>Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al. (II)</i> , No. 6:10-cv-248 (E.D. Texas)	Consolidated with Case No. 3
10	<i>Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC et al.</i> , No. 6:10-cv-00493 (E.D. Texas)	Appeal Terminated

Information Disclosure Statement

Listed on accompanying IDS Form PTO/SB/08b equivalent are documents that may be considered material to the patentability of this application as defined in 37 C.F.R. §1.56, and in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.97 and 1.98.

Applicant has listed publication dates on the attached IDS Form based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

/Tsfaldet Bocure/

08/23/2014

Atty. Dkt. No. 2855.0050007

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but on or before payment of the Issue Fee. The required fee is provided through online credit card payment authorization in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

Copies of documents **NPL1-NPL8** are submitted.

Applicant submits herewith Office Actions from the co-pending U.S. Patent Application Nos.:

Document **NPL1** is a copy of a Final Office Action mailed June 18, 2014, in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 13/118,122.

/Tsfaldet Bocure/

08/23/2014

Atty. Dkt. No. 2855.0050007

Document **NPL2** is a copy of a Notice of Allowance mailed June 25, 2014, in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 14/251,453.

Document **NPL3** is a copy of a Final Office Action mailed June 27, 2014, in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 14/134,933.

Document **NPL4** is a copy of a Notice of Allowance mailed July 8, 2014, in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 14/134,926.

The identification of these Office Actions is not to be construed as a waiver of secrecy as to those applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

It is expected that the examiner will review the prosecution and cited art in the parent application nos. 10/076,013, filed February 13, 2002 (now U.S. Patent No. 7,386,046); 12/123,081, filed May 19, 2008 (now U.S. Patent No. 8,073,047); and 13/154,239, filed June 6, 2011 (now U.S. Patent No. 8,553,759), in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Form, and indicate in the official file wrapper of this patent application that the documents have been considered.

/Tesfaldet Bocure/

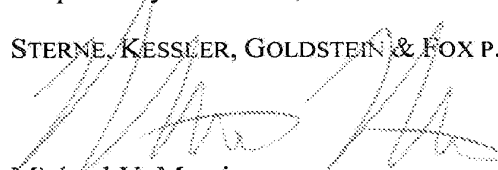
08/23/2014

Atty. Dkt. No. 2855.0050007

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.


Michael V. Messinger
Attorney for Applicant
Registration No. 37,575

Date: August 20, 2014

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

1891367_1.DOCX

Substitute for form 1449/PTO		Complete if Known	
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	1	of	1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	Copy of Final Office Action for U.S. Application No. 13/118,122, mailed June 18, 2014, 14 pages.	
	NPL2	Copy of Notice of Allowance for U.S. Appl. No. 14/251,453, mailed June 25, 2014; 8 pages.	
	NPL3	Copy of Final Office Action for U.S. Appl. No. 14/134,933, mailed June 27, 2014; 9 pages.	
	NPL4	Copy of Notice of Allowance for U.S. Appl. No. 14/134,926, mailed July 8, 2014, 9 pages.	
	NPL5	Right of Appeal Notice Under 37 C.F.R. § 1.953 in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, mailed June 9, 2014, 14 pages.	
	NPL6	Right of Appeal Notice Under 37 C.F.R. § 1.953 in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925 mailed June 10, 2014, 10 pages.	
	NPL7	Notice of Intent to Issue a Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,924, mailed June 27, 2014, 7 pages.	
	NPL8	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,352,300, Control No. 95/001,924, mailed August 4, 2014, 4 pages.	

1891362_1.DOCX

Examiner Signature	/Tefaldet Bocure/	Date Considered	10/20/2014
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Comcast - Exhibit 1002, page 561



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P. O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/033,245	11/25/2014	8897356	2855.0050007	9902

26111 7590 11/05/2014
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Realtime Data, LLC, Armonk, NY, Assignee (with 37 CFR 1.172 Interest);
James J. Fallon, Armonk, NY;
Stephen J. McErlain, New York, NY;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Request for Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	14/033,245
Filing Date	September 20, 2013
First Named Inventor	James J. FALLON
Art Unit	2634
Examiner Name	BOCURE, Tesfaldet
Attorney Docket Number	2855.0050007

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

- a. Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
 - i. Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
 - ii. Other _____
- b. Enclosed
 - i. Amendment/Reply
 - ii. Affidavit(s)/ Declaration(s)
 - iii. Information Disclosure Statement (IDS)
 - iv. Other _____

2. **Miscellaneous**

- a. Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)
- b. Other _____

3. **Fees**

- The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to
- a. Deposit Account No. 19-0036
 - i. RCE fee required under 37 CFR 1.17(e)
 - ii. Extension of time fee (37 CFR 1.136 and 1.17)
 - iii. Other _____
 - b. Check in the amount of \$ _____ enclosed
 - c. Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature		Date	November 27, 2014
Name (Print/Type)	Michael V. Messinger	Registration No.	37,575

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

Signature		Date	
Name (Print/Type)			

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

1932357

Substitute for form 1449/PTO		Complete if Known	
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	1	of	1

U.S. PATENT DOCUMENTS						
Examiner initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	US1	5,109,451		04-28-1992	Aono et al.	
	US2	6,057,790		05-02-2000	Igata et al.	
	US3	6,735,195 B1		05-11-2004	Mehta	
	US4	8,867,610 B2		10-21-2014	Fallon et al.	
	US5	8,880,862 B2		11-04-2014	Fallon et al.	

FOREIGN PATENT DOCUMENTS							
Examiner initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					

1932335_1.DOCX

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO		Complete if Known	
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	1 of 1		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	Copy of Non-Final Office Action for U.S. Appl. No. 14/495,574, mailed October 23, 2014; 10 pages.	
	NPL2	Copy of Non-Final Office Action for U.S. Appl. No. 09/969,987, mailed October 23, 2014; 11 pages.	
	NPL3	Comments in Response to Examiner's Determination Under 37 C.F.R. 41.77(e) in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, filed November 3, 2014; 30 pages.	
	NPL4	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, mailed November 3, 2014; 2 pages.	
	NPL5	Comments in Response to Examiner's Determination under 37 C.F.R. 41.77(e) in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, filed November 10, 2014; 19 pages.	
	NPL6	Comments in Response to Examiner's Determination under 37 C.F.R. 41.77(e) in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, filed November 10, 2014; 19 pages.	

1932337_1.DOCX

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Doc Code: PET.AUTO Document Description: Petition automatically granted by EFS-Web		PTO/SB/140 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	PETITION TO WITHDRAW AN APPLICATION FROM ISSUE AFTER PAYMENT OF THE ISSUE FEE UNDER 37 CFR 1.313(c)	
Application Number	14033245	
Filing Date	20-Sep-2013	
First Named Inventor	James Fallon	
Art Unit	2634	
Examiner Name	TESFALDET BOCURE	
Attorney Docket Number	2855.0050007	
Title	Systems and Methods for Video and Audio data Storage and Distribution.	
<p>An application may be withdrawn from issue for further action upon petition by the applicant. To request that the Office withdraw an application from issue, applicant must file a petition under this section including the fee set forth in § 1.17(h) and a showing of good and sufficient reasons why withdrawal of the application from issue is necessary.</p> <p>APPLICANT HEREBY PETITIONS TO WITHDRAW THIS APPLICATION FROM ISSUE UNDER 37 CFR 1.313(c).</p> <p>A grantable petition requires the following items: (1) Petition fee; and (2) One of the following reasons: (a) Unpatentability of one or more claims, which must be accompanied by an unequivocal statement that one or more claims are unpatentable, an amendment to such claim or claims, and an explanation as to how the amendment causes such claim or claims to be patentable; (b) Consideration of a request for continued examination in compliance with § 1.114 (for a utility or plant application only); or (c) Express abandonment of the application. Such express abandonment may be in favor of a continuing application, but not a CPA under 37 CFR 1.53(d).</p>		
Petition Fee		
<input type="radio"/> Small Entity		
<input type="radio"/> Micro Entity		
<input checked="" type="radio"/> Regular Undiscounted		
Reason for withdrawal from issue		

- One or more claims are unpatentable
- Consideration of a request for continued examination (RCE) (List of Required Documents and Fees)
- Applicant hereby expressly abandons the instant application (any attorney/agent signing for this reason must have power of attorney pursuant to 37 CFR 1.32(b)).

RCE request, submission, and fee.

I certify, in accordance with 37 CFR 1.4(d)(4) that :

The RCE request ,submission, and fee have already been filed in the above-identified application on

Are attached.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

- An attorney or agent registered to practice before the Patent and Trademark Office who has been given power of attorney in this application.
- An attorney or agent registered to practice before the Patent and Trademark Office, acting in a representative capacity.
- A sole inventor
- A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application
- A joint inventor; all of whom are signing this e-petition

Signature	/Michael Messinger/
Name	Michael V. Messinger
Registration Number	37575

Electronic Patent Application Fee Transmittal				
Application Number:	14033245			
Filing Date:	20-Sep-2013			
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.			
First Named Inventor/Applicant Name:	James J. Fallon			
Filer:	Michael V. Messinger/William Flanigen			
Attorney Docket Number:	2855.0050007			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Petition fee- 37 CFR 1.17(h) (Group III)	1464	1	140	140
Request for Continued Examination	1801	1	1200	1200
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1340



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Decision Date: November 24, 2014

In re Application of:

James Fallon

DECISION ON PETITION

UNDER CFR 1.313(c)(2)

Application No: 14033245

Filed: 20-Sep-2013

Attorney Docket No: 2855.0050007

This is an electronic decision on the petition under 37 CFR 1.313(c)(2), filed November 24, 2014, to withdraw the above-identified application from issue after payment of the issue fee.

The petition is **GRANTED**.

The above-identified application is withdrawn from issue for consideration of a submission under 37 CFR 1.114 (request for continued examination). See 37 CFR 1.313(c)(2).

Petitioner is advised that the issue fee paid in this application cannot be refunded. If, however, this application is again allowed, petitioner may request that it be applied towards the issue fee required by the new Notice of Allowance.

Telephone inquiries concerning this decision should be directed to the Patent Electronic Business Center (EBC) at 866-217-9197.

This application file is being referred to Technology Center AU 2634 for processing of the request for continuing examination under 37 CFR 1.114.

Office of Petitions

Electronic Acknowledgement Receipt

EFS ID:	20776179
Application Number:	14033245
International Application Number:	
Confirmation Number:	9902
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.
First Named Inventor/Applicant Name:	James J. Fallon
Customer Number:	26111
Filer:	Michael V. Messinger/William Flanigen
Filer Authorized By:	Michael V. Messinger
Attorney Docket Number:	2855.0050007
Receipt Date:	24-NOV-2014
Filing Date:	20-SEP-2013
Time Stamp:	10:40:09
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$1340
RAM confirmation Number	8999
Deposit Account	190036
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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1		28550050007_QPIDS.pdf	1529891	yes	13
			94767c0d91492e9c77ccdb05abbe33fa990848c5		
Multipart Description/PDF files in .zip description					
		Document Description	Start	End	
		Transmittal Letter	1	2	
		Request for Continued Examination (RCE)	3	3	
		Quick Path Information Disclosure Statement	4	4	
		Transmittal Letter	5	11	
		Information Disclosure Statement (IDS) Form (SB08)	12	13	
Warnings:					
Information:					
2	Non Patent Literature	NPL1_NFOA_14495574_10232014.pdf	325400	no	10
			e42d2dac693e695a14492ba8752299117edbd77b		
Warnings:					
Information:					
3	Non Patent Literature	NPL2_NFOA_09969987_10232014.pdf	408536	no	11
			12becefd57f9833b71f0748634dd92b0570633c0		
Warnings:					
Information:					
4	Non Patent Literature	NPL3_Comments_on_Ex_Decision_95001533_11032014.pdf	1511847	no	30
			fd1beeb86412bfb29dbaaefdb4e240ccb219b6af		
Warnings:					
Information:					
5	Non Patent Literature	NPL4_Reexam_Cert_95001925_11032014.pdf	104069	no	2
			9324420b7ac8073927da8ba7c6e0b8a9ab937ddd		
Warnings:					
Information:					
6	Non Patent Literature	NPL5_Comments_on_Examiners_Determination_95001544_11102014.pdf	894913	no	19
			bdf3c6fe26ce04a676031c0962d92874b8a43a97		
Warnings:					
Information:					

7	Non Patent Literature	NPL6_Comments_on_Examiners_Determination_95001581_1102014.pdf	2337334 afa548c6d6aa4e46eb02b79462f4bf322e785c9e	no	46
Warnings:					
Information:					
8	Petition automatically granted by EFS	petition-request.pdf	31465 4f92d6a4d6ff0a2d75761e59a38a4e3298a3c09d	no	2
Warnings:					
Information:					
9	Fee Worksheet (SB06)	fee-info.pdf	31885 6560edfd2c705ba0948f819f71075003b08eddb9d	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				7175340	
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

MICHAEL V. MESSINGER
DIRECTOR
(202) 772-8667
MIKEM@SKGF.COM



November 24, 2014

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Confirmation No. 9902
Art Unit 2634
Attn: Mail Stop 313(c)

Re: U.S. Utility Patent Application
Application No. 14/033,245; Filing Date: September 20, 2013
For: **Systems and Methods for Video and Audio Data Storage and
Distribution**
Inventors: FALLON *et al.*
Our Ref: 2855.0050007

Commissioner:

Transmitted herewith for appropriate action are the following documents:

1. Authorization to charge the amount of **\$1,520.00** to Deposit Account No. 19-0036 to cover:
 - \$180.00** Information Disclosure Statement Fee;
 - \$140.00** Petition to Withdraw from Issue after Payment of the Issue Fee (under 37 C.F.R. § 1.313(c)(2)); and
 - \$1,200.00** Request for Continued Examination Fee;
2. Request for Continued Examination (RCE) Transmittal (PTO/SB/30);
3. ePetition to Withdraw an Application from Issue After Payment of the Issue Fee under 37 C.F.R. 1.313(c)(2);
4. Quick Path Information Disclosure Statement (QPIDS) Transmittal (PTO/SB/09);
5. Fourth Supplemental Information Disclosure Statement;
6. Form PTO/SB/08a (1 sheet) listing 5 documents (**US1-US5**);
7. Form PTO/SB/08b (1 sheet) listing 6 documents (**NPL1-NPL6**); and
8. Copies of cited documents (**NPL1-NPL6**).

Commissioner for Patents
November 24, 2014
Page 2

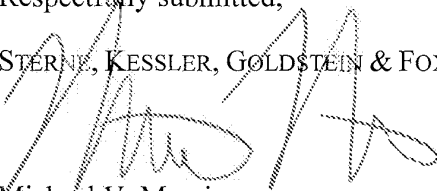
The above-listed documents are filed electronically through EFS-Web.

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael V. Messinger
Attorney for Applicant
Registration No. 37,575

MVM/MRM/wcf
Enclosures

1932361_1.DOCX

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Realtime Data, LLC

Appl. No.: 14/033,245

Filed: September 20, 2013

For: **Systems and Methods for Video and
Audio Data Storage and Distribution**

Confirmation No.: 9902

Art Unit: 2634

Examiner: BOCURE, Tesfaldet

Atty. Docket: 2855.0050007

Fourth Supplemental Information Disclosure Statement

Mail Stop 313(c)

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

Notice of Prior and Concurrent Proceedings

Applicant hereby calls to the attention of the Patent and Trademark Office the following reexamination proceedings involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,486)	Inter Partes Reexamination Certificate issued 10/10/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/000,466)	Inter Partes Reexamination Certificate issued 05/15/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,453)	Terminated
<i>Ex Parte</i> Reexamination of U.S. Patent No. 6,601,104 (Control No. 90/009,428)	Ex Parte Reexamination Certificate issued 02/28/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/000,478)	Inter Partes Reexamination Certificate issued 10/04/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,624,761 (Control No. 95/000,464)	Inter Partes Reexamination Certificate issued 06/12/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/000,479)	Inter Partes Reexamination Certificate issued 05/22/2012

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Patent Owner's Request for Rehearing Under 37 C.F.R. § 41.79 mailed 02/14/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Patent Owner's Comments in Response to Examiner's Determination Under 37 C.F.R. 41.77(d) filed 11/03/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Patent Owner's Comments in Response to Examiner's Determination under 37 C.F.R. 41.77(e) filed 11/10/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Patent Owner's Comments in Response to Examiner's Determination under 37 C.F.R. 41.77(e) filed 11/10/2014

Applicant hereby calls to the attention of the Patent and Trademark Office the following reexamination proceedings filed by Cellco Partnership d/b/a Verizon Wireless, involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	<i>Inter Partes</i> Reexamination Certificate issued 12/05/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Patent Owner's Appeal Brief filed 09/22/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	<i>Inter Partes</i> Reexamination Certificate issued 08/04/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	<i>Inter Partes</i> Reexamination Certificate issued 11/03/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	<i>Inter Partes</i> Reexamination Certificate issued 08/16/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014

Atty. Dkt. No. 2855.0050007

Applicant invites the Examiner to review the Requests for Reexamination, issued Office Actions, replies, and any other papers in the above-identified reexamination proceedings. If the Examiner is unable to obtain copies of papers in any reexamination proceeding, copies can be provided to the Examiner upon request. Those documents which may be material that are not already of record in this patent application are listed on the accompanying Form PTO/SB/08. For example, documents related to the reexaminations are listed as **NPL3-NPL6**.

Notice of Related Litigation

Applicant notifies the Patent and Trademark Office of the following litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
1	<i>Realtime Data LLC d/b/a IXO v. Packeteer, Inc. et al.</i> , No. 6:08-cv-00144-LED (E.D. Texas)	Dismissed

Applicant also notifies the Patent and Trademark Office of the following additional litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
2	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al.</i> No. 1:11-cv-06698-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00333-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
3	<i>Realtime Data LLC d/b/a IXO v. Morgan Stanley et al.</i> , No. 1:11-cv-06696-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00326-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014

Atty. Dkt. No. 2855.0050007

4	<i>Realtime Data LLC d/b/a IXO v. CME Group Inc., et al.</i> , No. 1:11-cv-06697-RJH (S.D. New York) (transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
5	<i>Chicago Board Options Exchange, Inc., v. Realtime Data LLC d/b/a IXO</i> , No. 09-cv-4486 (N.D. Ill.)	Dismissed
6	<i>Thomson Reuters Corporation v. Realtime Data, LLC d/b/a IXO</i> , No. 1:09-cv-07868-RMB (S.D.N.Y)	Consolidated with Case No. 2
7	<i>Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al. (II)</i> , No. 6:10-cv-246 (E.D. Texas)	Consolidated with Case No. 4
8	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al. (II)</i> , No. 6:10-cv-247 (E.D. Texas)	Consolidated with Case No. 2
9	<i>Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al. (II)</i> , No. 6:10-cv-248 (E.D. Texas)	Consolidated with Case No. 3
10	<i>Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC et al.</i> , No. 6:10-cv-00493 (E.D. Texas)	Appeal Terminated

Information Disclosure Statement

Listed on accompanying IDS Forms PTO/SB/08a equivalent and PTO/SB/08b equivalent are documents that may be considered material to the patentability of this application as defined in 37 C.F.R. §1.56, and in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.97 and 1.98.

Applicant has listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed after payment of the Issue Fee. The required fee is provided through authorization to deduct the amount of **\$180.00** from Deposit Account No. 19-0036 in payment of the fee under 37 C.F.R. § 1.17(p); in addition, I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

Copies of documents **NPL1-NPL6** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of the U.S. patents cited as documents **US1-US5** on the attached IDS Forms are submitted.

Applicants submit herewith Office Actions from the co-pending U.S. Patent Application Nos.:

Document **NPL1** is a copy of a Non-Final Office Action mailed October 23, 2014 in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 14/495,574.

Document **NPL2** is a copy of a Non-Final Office Action mailed October 23, 2014 in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 09/969,987.

The identification of these Office Actions is not to be construed as a waiver of secrecy as to those applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

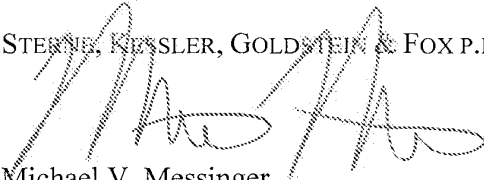
It is expected that the examiner will review the prosecution and cited art in the parent application nos. 13/154,239, filed June 6, 2011 (now U.S. Patent No. 8,553,759); 12/123,081, filed May 19, 2008 (now U.S. Patent No. 8,073,047); and 10/076,013, filed February 13, 2002 (now U.S. Patent No. 7,386,046), in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael V. Messinger
Attorney for Applicant
Registration No. 37,575

Date: November 24, 2014

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

1932353_1.DOCX

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 11/26/2014

KVESTAL SALE #00000006 Mailroom Dt: 11/24/2014 190036 14033245
01 FC : 1806 180.00 DA

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

PATENT WITHDRAWAL NOTICE

DATE WITHDRAWN

11/28/2014

WITHDRAWAL NUMBER

27409

The following application has been **WITHDRAWN** from the

11/25/2014

SERIAL NO.

14033245

PATENT NUMBER

8897356

TITLE

SYSTEMS AND METHODS FOR VIDEO AND AUDIO DATA STORAGE AND DISTRIBUTION.

NAME AND ADDRESS

JAMES FALLON
Armonk, NY

REASON FOR WITHDRAWAL

Auto-petition to withdraw - Granted

APPROVED

/Kimberly Terrell/, Manager

Patent Publication Branch
Office of Data Management



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/033,245	09/20/2013	James J. Fallon	2855.0050007	9902

26111 7590 12/10/2014
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

EXAMINER

BOCURE, TESFALDET

ART UNIT PAPER NUMBER

2634

MAIL DATE DELIVERY MODE

12/10/2014

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Supplemental Notice of Allowability	Application No. 14/033,245	Applicant(s) FALLON ET AL.	
	Examiner TESFALDET BOCURE	Art Unit 2634	AIA (First Inventor to File) Status No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to IDS and RCE filed on 11/24/2014.
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
2. An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. The allowed claim(s) is/are 1,3-10,12-22 and 28-37. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) All b) Some *c) None of the:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 2. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>11/24/2014</u> | 6. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| 3. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 7. <input type="checkbox"/> Other _____. |
| 4. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. | |

/TESFALDET BOCURE/
Primary Examiner, Art Unit 2634

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 11/24/2014 has been entered.

Information Disclosure Statement

3. In response to the Information Disclosure statement (IDS) **after Allowance and before the payment of issue fee** received on 11/24/2014, the following action has been taken:

THE PRESECUTION OF THIS CASE IS CLOSED AS OF THE DATE THE NOTICE OF ALLOWANCE WAS MAILED ON 10/22/2014.

The information disclosure statement (IDS) submitted on 09/05/2014 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure

statement is being considered by the examiner. Attached with this correspondence is the initialed copy of the IDS.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TESHFALDET BOCURE whose telephone number is (571)272-3015. The examiner can normally be reached on Mon-Th, 8:30-6:00 and 8:30-5:00 2nd Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DANIEL C. WASHBURN can be reached on (571)272-5551. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/TESFALDET BOCURE/
Primary Examiner, Art Unit 2634

Application/Control Number: 14/033,245
Art Unit: 2634

Page 4

/T. B./
Primary Examiner, Art Unit 2634

Substitute for form 1449/PTO		Complete if Known	
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	1	of	1

U.S. PATENT DOCUMENTS						
Examiner initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	US1	5,109,451		04-28-1992	Aono et al.	
	US2	6,057,790		05-02-2000	Igata et al.	
	US3	6,735,195 B1		05-11-2004	Mehta	
	US4	8,867,610 B2		10-21-2014	Fallon et al.	
	US5	8,880,862 B2		11-04-2014	Fallon et al.	

FOREIGN PATENT DOCUMENTS							
Examiner initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)					

1932335_1.DOCX

Examiner Signature	/Tsfaldet Bcure/	Date Considered	11/30/2014
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Substitute for form 1449/PTO		<i>Complete if Known</i>	
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	14/033,245
		Filing Date	September 20, 2013
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, Tesfaldet
		Attorney Docket Number	2855.0050007
Sheet	1	of	1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	NPL1	Copy of Non-Final Office Action for U.S. Appl. No. 14/495,574, mailed October 23, 2014; 10 pages.	
	NPL2	Copy of Non-Final Office Action for U.S. Appl. No. 09/969,987, mailed October 23, 2014; 11 pages.	
	NPL3	Comments in Response to Examiner's Determination Under 37 C.F.R. 41.77(e) in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, filed November 3, 2014; 30 pages.	
	NPL4	Inter Partes Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 7,395,345, Control No. 95/001,925, mailed November 3, 2014; 2 pages.	
	NPL5	Comments in Response to Examiner's Determination under 37 C.F.R. 41.77(e) in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, filed November 10, 2014; 19 pages.	
	NPL6	Comments in Response to Examiner's Determination under 37 C.F.R. 41.77(e) in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, filed November 10, 2014; 19 pages.	

1932337_1.DOCX

Examiner Signature	/Tsfaldet Bocure/	Date Considered	11/30/2014
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

WEST Search History for Application 14033245

Creation Date: 2014113022:00

Prior Art Searches

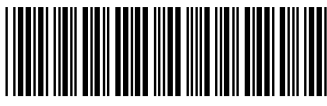
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(Selecting or select or choose or choosing) near4 ((compress or compression or compressing) near4 (algorithm or algorithms or mode or modes)) same (parameter or parameters or attribute or attributes)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		11-30-2014
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375/\$8.ccls. or 348/\$8.ccls. or 370/\$8.ccls. or 382/\$8.ccls.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		11-30-2014
375/\$8.ccls. or 348/\$8.ccls. or 370/\$8.ccls. or 382/\$8.ccls. or 341/\$8.ccls.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	OR	YES		11-30-2014
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Index of Claims 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

✓	Rejected
=	Allowed

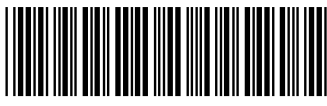
-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

Claims renumbered in the same order as presented by applicant
 CPA
 T.D.
 R.1.47

CLAIM		DATE									
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<i>Index of Claims</i> 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634


✓	Rejected
=	Allowed

-	Cancelled
÷	Restricted

N	Non-Elected
I	Interference

A	Appeal
O	Objected

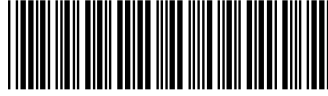
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Final	Original	12/03/2013	02/22/2014	07/08/2014	10/14/2014	11/30/2014				
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Issue Classification 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.	
	Examiner TESFALDET BOCURE	Art Unit 2634	

CPC						
Symbol					Type	Version
H03M		7		6094	F	2013-01-01
H03M		7		30	I	2013-01-01
H03M		7		3084	I	2013-01-01


CPC Combination Sets						
Symbol			Type	Set	Ranking	Version

NONE		Total Claims Allowed:	
		30	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/TESFALDET BOCURE/ Primary Examiner. Art Unit 2634	11/30/2014	1	1
(Primary Examiner)	(Date)		

Issue Classification 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634


US ORIGINAL CLASSIFICATION					INTERNATIONAL CLASSIFICATION								
CLASS		SUBCLASS			CLAIMED				NON-CLAIMED				
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CROSS REFERENCE(S)													
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)												

NONE	(Assistant Examiner)	(Date)	Total Claims Allowed:	
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/TESFALDET BOCURE/ Primary Examiner. Art Unit 2634	(Primary Examiner)	11/30/2014	O.G. Print Claim(s)	O.G. Print Figure
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Issue Classification 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

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20	15	9	31																		
21	16	10	32																		

NONE		Total Claims Allowed:	
		30	
(Assistant Examiner)	(Date)	O.G. Print Claim(s)	O.G. Print Figure
/TESFALDET BOCURE/ Primary Examiner. Art Unit 2634	11/30/2014	1	1
(Primary Examiner)	(Date)		

Search Notes 	Application/Control No. 14033245	Applicant(s)/Patent Under Reexamination FALLON ET AL.
	Examiner TESFALDET BOCURE	Art Unit 2634

CPC- SEARCHED		
Symbol	Date	Examiner
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	7/1/2014	TB
CPC Search Updated	7/11/2014	TB

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
375	240, E7.094	2/20/2014	TB
707	E17.001, 736, 781-788	2/20/2014	TB
711	E12.008, 154,	2/20/2014	TB
709	247	2/20/2014	TB
708	203	2/20/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Searched ALL (\$8.ccls.)	2/21/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Search Updated ALL	7/1/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Search Updated ALL (\$8.ccls.)	7/11/2014	TB
375, 370, 348, 341, 711, 709, 382,358	Search Updated ALL	10/14/2014	TB

	/TESFALDET BOCURE/ Primary Examiner.Art Unit 2634
--	------------------------------------------------------

US CLASSIFICATION SEARCHED

Class	Subclass	Date	Examiner
375, 370, 348, 341, 711, 709, 382,358	Search Updated ALL	11/30/2014	TB

SEARCH NOTES

Search Notes	Date	Examiner
EAST and Inventor's name Searched	2/20/2104	TB
EAST Updated	2/21/2014	TB
CPC Search Note for IPC and USPC: (G06F17/30 OR G06F12/00 OR G06F12/02 OR H03M7/30 OR H04B1/66 OR H04N7/26 OR H04N11/02 OR H04J3/18).IPCR.)	2/21/2014	TB
CPC Search Note for IPC and USPC: (358/426.01 375/E7.144 382/232 382/239 382/244 370/477 704/500 704/504 707/999.001 710/74 341/51 369/60.01 455/72 708/203 709/247 711/113).CCLS. or (H04N1/41 H03M7/30 G11B20/00 H04B1/66 G10L19/00).IPCR.)	7/1/2014 and 7/11/2014	TB
CPC Seearch class/subclasses: ((H04N19/0026 G06F21/80 G11C29/40 G09G2340/02 H04B1/66 H04W28/06).CPC.	7/1/2014 and 7/11/2014	TB
WEST, CPC and Invnetor's Name Search Updated	10/14/2014	TB
WEST, CPC and Invnetor's Name Search Updated	11/30/2014	TB

INTERFERENCE SEARCH

US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
375	240, 240.01, 204.02	7/11/2014	TB
375	240, 240.01, 240.02	10/14/2014	TB
375	240, 240.01, 240.02	11/31/2014	TB

	/TESFALDET BOCURE/ Primary Examiner.Art Unit 2634
--	------------------------------------------------------

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Realtime Data, LLC

Appl. No.: 14/033,245

Filed: September 20, 2013

For: **Systems and Methods for Video and
Audio Data Storage and Distribution**

Confirmation No.: 9902

Art Unit: 2634

Examiner: BOCURE, Tesfaldet

Atty. Docket: 2855.0050007

Fourth Supplemental Information Disclosure Statement

Mail Stop 313(c)

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Commissioner:

Notice of Prior and Concurrent Proceedings

Applicant hereby calls to the attention of the Patent and Trademark Office the following reexamination proceedings involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,486)	Inter Partes Reexamination Certificate issued 10/10/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/000,466)	Inter Partes Reexamination Certificate issued 05/15/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,453)	Terminated
<i>Ex Parte</i> Reexamination of U.S. Patent No. 6,601,104 (Control No. 90/009,428)	Ex Parte Reexamination Certificate issued 02/28/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/000,478)	Inter Partes Reexamination Certificate issued 10/04/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,624,761 (Control No. 95/000,464)	Inter Partes Reexamination Certificate issued 06/12/2012
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/000,479)	Inter Partes Reexamination Certificate issued 05/22/2012

/Tefaldet Bocure/

11/30/2014

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Patent Owner's Request for Rehearing Under 37 C.F.R. § 41.79 mailed 02/14/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Patent Owner's Comments in Response to Examiner's Determination Under 37 C.F.R. 41.77(d) filed 11/03/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Patent Owner's Comments in Response to Examiner's Determination under 37 C.F.R. 41.77(e) filed 11/10/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Patent Owner's Comments in Response to Examiner's Determination under 37 C.F.R. 41.77(e) filed 11/10/2014

Applicant hereby calls to the attention of the Patent and Trademark Office the following reexamination proceedings filed by Cellco Partnership d/b/a Verizon Wireless, involving patents that are commonly-assigned with the patent in the above-identified patent application:

Proceeding	Status
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	<i>Inter Partes</i> Reexamination Certificate issued 12/05/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Patent Owner's Appeal Brief filed 09/22/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	<i>Inter Partes</i> Reexamination Certificate issued 08/04/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	<i>Inter Partes</i> Reexamination Certificate issued 11/03/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	<i>Inter Partes</i> Reexamination Certificate issued 08/16/2013
<i>Inter Partes</i> Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	<i>Inter Partes</i> Reexamination Certificate issued 01/08/2014

/Tsfaldet Bocure/

11/30/2014

Atty. Dkt. No. 2855.0050007

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Applicant invites the Examiner to review the Requests for Reexamination, issued Office Actions, replies, and any other papers in the above-identified reexamination proceedings. If the Examiner is unable to obtain copies of papers in any reexamination proceeding, copies can be provided to the Examiner upon request. Those documents which may be material that are not already of record in this patent application are listed on the accompanying Form PTO/SB/08. For example, documents related to the reexaminations are listed as **NPL3-NPL6**.

Notice of Related Litigation

Applicant notifies the Patent and Trademark Office of the following litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
1	<i>Realtime Data LLC d/b/a IXO v. Packeteer, Inc. et al.</i> , No. 6:08-cv-00144-LED (E.D. Texas)	Dismissed

Applicant also notifies the Patent and Trademark Office of the following additional litigation involving U.S. Patents commonly-owned with the current patent application, the subject matter of which may be related to the present patent application:

No.	Case	Status
2	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al.</i> No. 1:11-cv-06698-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00333-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
3	<i>Realtime Data LLC d/b/a IXO v. Morgan Stanley et al.</i> , No. 1:11-cv-06696-RJH (S.D. New York) (transferred from E.D. Texas; 6:09-cv-00326-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014

/Tesfaldet Bocure/

11/30/2014

Atty. Dkt. No. 2855.0050007

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

4	<i>Realtime Data LLC d/b/a IXO v. CME Group Inc., et al.</i> , No. 1:11-cv-06697-RJH (S.D. New York) (transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Opinion of the Court of Appeals for the Federal Circuit received 01/27/2014
5	<i>Chicago Board Options Exchange, Inc., v. Realtime Data LLC d/b/a IXO</i> , No. 09-cv-4486 (N.D. Ill.)	Dismissed
6	<i>Thomson Reuters Corporation v. Realtime Data, LLC d/b/a IXO</i> , No. 1:09-cv-07868-RMB (S.D.N.Y)	Consolidated with Case No. 2
7	<i>Realtime Data, LLC d/b/a IXO v. CME Group Inc., et al. (II)</i> , No. 6:10-cv-246 (E.D. Texas)	Consolidated with Case No. 4
8	<i>Realtime Data LLC d/b/a IXO v. Thomson Reuters Corporation et al. (II)</i> , No. 6:10-cv-247 (E.D. Texas)	Consolidated with Case No. 2
9	<i>Realtime Data, LLC d/b/a IXO v. Morgan Stanley, et al. (II)</i> , No. 6:10-cv-248 (E.D. Texas)	Consolidated with Case No. 3
10	<i>Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC et al.</i> , No. 6:10-cv-00493 (E.D. Texas)	Appeal Terminated

Information Disclosure Statement

Listed on accompanying IDS Forms PTO/SB/08a equivalent and PTO/SB/08b equivalent are documents that may be considered material to the patentability of this application as defined in 37 C.F.R. §1.56, and in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.97 and 1.98.

Applicant has listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

/Tesfaldet Bocure/

11/30/2014

Atty. Dkt. No. 2855.0050007

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./

Comcast - Exhibit 1002, page 607

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed after payment of the Issue Fee. The required fee is provided through authorization to deduct the amount of **\$180.00** from Deposit Account No. 19-0036 in payment of the fee under 37 C.F.R. § 1.17(p); in addition, I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

Copies of documents **NPL1-NPL6** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of the U.S. patents cited as documents **US1-US5** on the attached IDS Forms are submitted.

Applicants submit herewith Office Actions from the co-pending U.S. Patent Application Nos.:

/Tsfaldet Bocure/

11/30/2014

Atty. Dkt. No. 2855,0050007

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./
Comcast - Exhibit 1002, page 608

Document **NPL1** is a copy of a Non-Final Office Action mailed October 23, 2014 in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 14/495,574.

Document **NPL2** is a copy of a Non-Final Office Action mailed October 23, 2014 in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 09/969,987.

The identification of these Office Actions is not to be construed as a waiver of secrecy as to those applications now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited applications and the art cited therein during examination.

It is expected that the examiner will review the prosecution and cited art in the parent application nos. 13/154,239, filed June 6, 2011 (now U.S. Patent No. 8,553,759); 12/123,081, filed May 19, 2008 (now U.S. Patent No. 8,073,047); and 10/076,013, filed February 13, 2002 (now U.S. Patent No. 7,386,046), in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

/Teshaldet Bocure/

11/30/2014

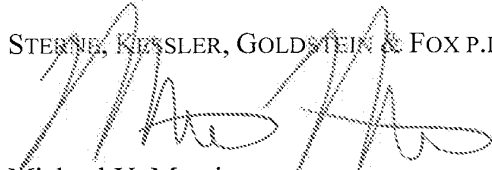
Atty. Dkt. No. 2855.0050007

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.B./
Comcast - Exhibit 1002, page 609

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael V. Messinger
Attorney for Applicant
Registration No. 37,575

Date: November 24, 2014

1100 New York Avenue, N.W.
Washington, D.C. 20005-3934
(202) 371-2600

1932353_1.DOCX

Electronic Acknowledgement Receipt

EFS ID:	20776179
Application Number:	14033245
International Application Number:	
Confirmation Number:	9902
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.
First Named Inventor/Applicant Name:	James J. Fallon
Customer Number:	26111
Filer:	Michael V. Messinger/William Flanigen
Filer Authorized By:	Michael V. Messinger
Attorney Docket Number:	2855.0050007
Receipt Date:	24-NOV-2014
Filing Date:	20-SEP-2013
Time Stamp:	10:40:09
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$1340
RAM confirmation Number	8999
Deposit Account	190036
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
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Electronic Patent Application Fee Transmittal				
Application Number:	14033245			
Filing Date:	20-Sep-2013			
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.			
First Named Inventor/Applicant Name:	James J. Fallon			
Filer:	Michael V. Messinger/William Flanigen			
Attorney Docket Number:	2855.0050007			
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Petition fee- 37 CFR 1.17(h) (Group III)	1464	1	140	140
Request for Continued Examination	1801	1	1200	1200
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Adjustment date: 12/12/2014 SDIRETA1
 11/24/2014 INTEFSW 00008999 190036 14033245
 02 FC:1801 1200.00 CR



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P. O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/033,245	01/13/2015	8934535	2855.0050007	9902

26111 7590 12/23/2014
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Realtime Data, LLC, Armonk, NY, Assignee (with 37 CFR 1.172 Interest);
James J. Fallon, Armonk, NY;
Stephen J. McErlain, New York, NY;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
---------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Central District of California on the following

Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.):

DOCKET NO. 2:17-cv-07611	DATE FILED 10/17/2017	U.S. DISTRICT COURT Central District of California
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT HULU, LLC
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,934,535	1/13/2015	Realtime Data, LLC
2 9,769,477	9/19/2017	Realtime Adaptive Streaming LLC
3 9,762,907	9/12/2017	Realtime Adaptive Streaming LLC
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY		
	<input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
1			
2			
3			
4			
5			

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Tyler Division on the following
 Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 6:17-cv-491	DATE FILED 10/18/2017	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT CISCO SYSTEMS, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,934,535	1/13/2015	REALTIME ADAPTIVE STREAMING LLC
2 9,769,477	9/19/2017	REALTIME ADAPTIVE STREAMING LLC
3 8,929,442	1/6/2015	REALTIME ADAPTIVE STREAMING LLC
4 9,762,907	9/12/2017	REALTIME ADAPTIVE STREAMING LLC
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
-------	-------------------	------

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Tyler Division on the following
 Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 6:17-cv-491	DATE FILED 10/18/2017	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT CISCO SYSTEMS, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,934,535	1/13/2015	REALTIME ADAPTIVE STREAMING LLC
2 9,769,477	9/19/2017	REALTIME ADAPTIVE STREAMING LLC
3 8,929,442	1/6/2015	REALTIME ADAPTIVE STREAMING LLC
4 9,762,907	9/12/2017	REALTIME ADAPTIVE STREAMING LLC
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
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5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

151145

OR

I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

The address associated with the above-mentioned Customer Number

OR

The address associated with Customer Number:

OR

Firm or Individual Name

Address			
City	State	Zip	
Country			
Telephone	Email		

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Realtime Adaptive Streaming LLC

- Inventor or Joint Inventor (title not required below)
- Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature	Date (Optional)	10/25/17
Name <i>Richard G. Tashjian</i>		
Title <i>Managing Member</i>		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	14/033,245
Filing Date	09-20-2013
First Named Inventor	James J. Fallon
Title	Systems and Methods for Video and Audio data Storage and Distribution.
Art Unit	2634
Examiner Name	BOCURE, TESFALDET
Attorney Docket Number	0013.0050007

SIGNATURE of Applicant or Patent Practitioner			
Signature	/Michael Messinger/	Date (Optional)	
Name	Michael V. Messinger	Registration Number	37,575
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			
<p>NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.</p>			
<input type="checkbox"/> *Total of _____ forms are submitted.			

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Electronic Acknowledgement Receipt

EFS ID:	31160429
Application Number:	14033245
International Application Number:	
Confirmation Number:	9902
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.
First Named Inventor/Applicant Name:	James J. Fallon
Customer Number:	26111
Filer:	Michael V. Messinger/Casey Berger
Filer Authorized By:	Michael V. Messinger
Attorney Docket Number:	2855.0050007
Receipt Date:	07-DEC-2017
Filing Date:	20-SEP-2013
Time Stamp:	15:15:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	00130050007_POA.pdf	292048 2df44941f9ea272ca66e837ab5578ae7050cd1da	no	2

Warnings:

The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing

Information:

Total Files Size (in bytes):	292048
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/033,245	09/20/2013	James J. Fallon	2855.0050007

CONFIRMATION NO. 9902

26111
 STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
 1100 NEW YORK AVENUE, N.W.
 WASHINGTON, DC 20005



OC000000096079603

CC: 151145
 SHAMI MESSINGER PLLC
 1000 POTOMAC STREET NW
 FIFTH FLOOR
 WASHINGTON, DC 20007

Mail Date: 12/13/2017
DENIAL OF REQUEST FOR POWER OF ATTORNEY

The request for Power of Attorney filed on **12-07-2017** is acknowledged. However, the request cannot grant at this time for the reason stated below.

- The Power of Attorney you provided did not comply with the new Power of Attorney rules that became effective on June 25, 2004. See 37 CFR 1.32.
- The revocation is not signed by the applicant, the assignee of the entire interest, or one particular principal attorney having the authority to revoke.
- The Power of Attorney is from an assignee and the Certificate required by 37 CFR 3.73(c) has not been received.
- The person signing for the assignee has omitted their empowerment to sign on behalf of the assignee.
- The inventor(s) is without authority to appoint attorneys since the assignee has intervened as provided by 37 CFR 3.71.
- The person(s) appointed in the Power of Attorney is not registered to practice before the U.S. Patent and Trademark Office.
- Only one Customer Number can be designated for the Power of Attorney in an application. The Customer Number that was captured is the first Customer Number provided on the Power of Attorney document.

**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

- A request under 37 CFR 1.48 to add an inventor was granted in this application, however, no power of attorney consistent with the power of attorney granted by the originally named inventive entity has been received. Thus, the addition of the inventor has resulted in the loss of power of attorney in the application. See 37 CFR 1.32(e).
- The power of attorney has not been accepted because the party who is giving power of attorney has not been identified. Power of attorney may only be signed by the applicant for patent (37 CFR 1.42) or the patent owner. A patent owner who was not the applicant must appoint any power of attorney in compliance with 37 CFR 3.71 and 3.73. See 37 CFR 1.32(b)(4).
- The power of attorney from the inventors has not been accepted because it is a copy from a prior national application for which benefit is claimed and the continuing application names an inventor who was not named as an inventor in the prior application.
- The power of attorney from the inventors has not been accepted because the power of attorney must be signed by the applicant for patent. See 37 CFR 1.32(b)(4).
- Any request to correct or update the name of the applicant must include an application data sheet (ADS) in compliance with 37 CFR 1.76 specifying the correct or updated name of the applicant in the applicant information section. Any request to change the applicant after an original applicant has been specified under 37 CFR 1.46(b) must include a new ADS in compliance with 37 CFR 1.76 specifying the applicant in the applicant information section and comply with 37 CFR 3.71 and 3.73. See 37 CFR 1.46(c).

Any inquiries regarding this notice should be directed to the Application Assistance Unit at 571-272-4200.

A handwritten signature in black ink, appearing to be "LWS", written over a horizontal line.

Application Assistance Unit
571-272-4200



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/033,245	09/20/2013	James J. Fallon	2855.0050007

26111
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

CONFIRMATION NO. 9902
MISCELLANEOUS NOTICE



Date Mailed: 12/14/2017

A communication which cannot be delivered in electronic form has been mailed to the applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

151145

OR

I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

The address associated with the above-mentioned Customer Number

OR

The address associated with Customer Number:

OR

Firm or Individual Name

Address			
City	State	Zip	
Country			
Telephone	Email		

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Realtime Adaptive Streaming LLC

- Inventor or Joint Inventor (title not required below)
- Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature	Date (Optional)
<i>Richard G. Tashjian</i>	10/25/17
Name	
<i>Managing Member</i>	
Title	

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	14/033,245
Filing Date	09-20-2013
First Named Inventor	James J. Fallon
Title	Systems and Methods for Video and Audio data Storage and Distribution.
Art Unit	2634
Examiner Name	BOCURE, TESFALDET
Attorney Docket Number	0013.0050007

SIGNATURE of Applicant or Patent Practitioner			
Signature	/Michael Messinger/	Date (Optional)	
Name	Michael V. Messinger	Registration Number	37,575
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			
<p>NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.</p>			
<p><input type="checkbox"/> *Total of _____ forms are submitted.</p>			

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	2055.0050007 <u>0013.0050007</u>
		Application Number	
Title of Invention	Systems and Methods for Video and Audio data Storage and Distribution		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

<input type="checkbox"/>	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
--------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Inventor Information:

Inventor 1					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	James	J.	FALLON		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	Armonk	State/Province	NY	Country of Residence	US
Mailing Address of Inventor:					
Address 1		11 Wampus Close			
Address 2					
City	Armonk	State/Province	NY		
Postal Code	10504	Country i	US		
Inventor 2					Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Stephen	J.	MCERLAIN		
Residence Information (Select One) <input checked="" type="radio"/> US Residency <input type="radio"/> Non US Residency <input type="radio"/> Active US Military Service					
City	Astoria	State/Province	NY	Country of Residence	US
Mailing Address of Inventor:					
Address 1		2454 37th Street			
Address 2		#4F			
City	Astoria	State/Province	NY		
Postal Code	11103	Country i	US		
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.					Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below. For further information see 37 CFR 1.33(a).

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	2855.0050007	<u>0013.0050007</u>
	Application Number		
Title of Invention	Systems and Methods for Video and Audio data Storage and Distribution		

An Address is being provided for the correspondence information of this application.

Customer Number	26111	<u>151145</u>	
Email Address			<input type="button" value="Add Email"/> <input type="button" value="Remove Email"/>

Application Information:

Title of the Invention	Systems and Methods for Video and Audio data Storage and Distribution		
Attorney Docket Number	2855.0050007	<u>0013.0050007</u>	Small Entity Status Claimed <input type="checkbox"/>
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	4	Suggested Figure for Publication (if any)	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

Request Early Publication (Fee required at time of Request 37 CFR 1.219)

Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer number will be used for the Representative Information during processing.

Please Select One:	<input checked="" type="radio"/> Customer Number	<input type="radio"/> US Patent Practitioner	<input type="radio"/> Limited Recognition (37 CFR 11.9)
Customer Number	26111	<u>151145</u>	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	2015-0668007	0013.0050007
		Application Number		
Title of Invention	Systems and Methods for Video and Audio data Storage and Distribution			

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
	Continuation of	13154239	2011-06-06	8553759	2013-10-08
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13154239	Continuation of	12123081	2008-05-19	8073047	2011-12-06
Prior Application Status		Patented		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12123081	Continuation of	10076013	2002-02-13	7386046	2008-06-10
Prior Application Status		Expired		Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
10076013	Claims benefit of provisional	60268394	2001-02-13		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)¹ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove			
Application Number	Country ¹	Filing Date (YYYY-MM-DD)	Access Code ¹ (if applicable)
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	2855.0050007	<u>0013.0050007</u>
	Application Number		
Title of Invention	Systems and Methods for Video and Audio data Storage and Distribution		

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

<p>This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.</p> <p><input type="checkbox"/> NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.</p>

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	0055.0050007	0013.0050007
	Application Number		
Title of Invention	Systems and Methods for Video and Audio data Storage and Distribution		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	2856.0050007	<u>0013.0050007</u>
	Application Number		
Title of Invention	Systems and Methods for Video and Audio data Storage and Distribution		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Assignee Legal Representative under 35 U.S.C. 117 Joint Inventor

Person to whom the inventor is obligated to assign. Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here.

Organization Name ~~Realtime Data LLC~~ Realtime Adaptive Streaming LLC

Mailing Address Information For Applicant:

Address 1 ~~14 Wampus Close~~ 1828 ESE LOOP 323

Address 2

City ~~Ammon~~ Tyler State/Province ~~NY~~ TX

Country US Postal Code ~~40504~~ 75701

Phone Number Fax Number

Email Address

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

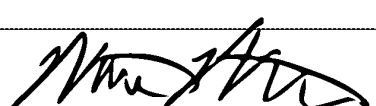
Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	2013.0050007	<u>0013.0050007</u>
	Application Number		
Title of Invention	Systems and Methods for Video and Audio data Storage and Distribution		

Assignee 1			
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.			
If the Assignee or Non-Applicant Assignee is an Organization check here.			<input checked="" type="checkbox"/>
Organization Name	<u>Realtime Adaptive Streaming LLC</u>		
Mailing Address Information For Assignee including Non-Applicant Assignee:			
Address 1	<u>1828 ESE LOOP 323</u>		
Address 2			
City	<u>Tyler</u>	State/Province	<u>TX</u>
Country ⁱ	<u>US</u>	Postal Code	<u>75701</u>
Phone Number		Fax Number	
Email Address			
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.			

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).			
This Application Data Sheet must be signed by a patent practitioner if one or more of the applicants is a juristic entity (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, all joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of all joint inventor-applicants.			
See 37 CFR 1.4(d) for the manner of making signatures and certifications.			
Signature			Date (YYYY-MM-DD)
First Name	<u>Michael</u>	Last Name	<u>Messenger</u>
Registration Number	<u>37575</u>		
Additional Signature may be generated within this form by selecting the Add button.			

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	2013.0050007 <u>0013.0050007</u>
	Application Number	
Title of Invention	Systems and Methods for Video and Audio data Storage and Distribution	

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the international Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: Realtime Data, LLCApplication No./Patent No.: 8,934,535 Filed/Issue Date: 01-13-2015Titled: Systems and Methods for Video and Audio data Storage and Distribution.Realtime Adaptive Streaming LLC, a Limited Liability Company

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. The assignee of the entire right, title, and interest.
2. An assignee of less than the entire right, title, and interest (check applicable box):
- The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. The recipient, via a court proceeding or the like (e.g., bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: FALLON, JAMES F. et al. To: Realtime Data, LLCThe document was recorded in the United States Patent and Trademark Office at
Reel 031267, Frame 0357, or for which a copy thereof is attached.2. From: Realtime Data, LLC To: REALTIME ADAPTIVE STREAMING LLCThe document was recorded in the United States Patent and Trademark Office at
Reel 041573, Frame 0683, or for which a copy thereof is attached.

[Page 1 of 2]

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Michael Messinger/

Signature

Michael V. Messinger

Printed or Typed Name

December 20, 2017

Date

37,575

Title or Registration Number

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	31323591
Application Number:	14033245
International Application Number:	
Confirmation Number:	9902
Title of Invention:	Systems and Methods for Video and Audio data Storage and Distribution.
First Named Inventor/Applicant Name:	James J. Fallon
Customer Number:	26111
Filer:	Michael V. Messinger/Casey Berger
Filer Authorized By:	Michael V. Messinger
Attorney Docket Number:	2855.0050007
Receipt Date:	22-DEC-2017
Filing Date:	20-SEP-2013
Time Stamp:	15:54:54
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	00130050007_POA.pdf	292048 2df44941f9ea272ca66e837ab5578ae7050cd1da	no	2

Warnings:

The page size in the PDF is too large. The pages should be 8.5 x 11 or A4. If this PDF is submitted, the pages will be resized upon entry into the Image File Wrapper and may affect subsequent processing

Information:

2	Application Data Sheet	00130050007_ADS.pdf	143732	no	9
			ae977a514af8dc52e47ea92b7e8b531c192bc318		

Warnings:

Information:

This is not an USPTO supplied ADS fillable form

3	Assignee showing of ownership per 37 CFR 3.73	00130050007_373.pdf	119951	no	3
			4fa4a60b562f96f9d1041291a2ced6172862b1c6		

Warnings:

Information:

Total Files Size (in bytes):	555731
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/033,245	09/20/2013	James J. Fallon	2855.0050007

26111
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 NEW YORK AVENUE, N.W.
WASHINGTON, DC 20005

CONFIRMATION NO. 9902
POWER OF ATTORNEY NOTICE



Date Mailed: 12/29/2017

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/22/2017.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/ggasgedom/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/033,245	09/20/2013	James J. Fallon	0013.0050007

CONFIRMATION NO. 9902

POA ACCEPTANCE LETTER

151145
Shami Messinger PLLC
1000 Potomac Street NW
Fifth Floor
Washington, DC 20007



Date Mailed: 12/29/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/22/2017.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/ggasgedom/

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Colorado District Court on the following

Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 17cv2097	DATE FILED 8/31/2017	U.S. DISTRICT COURT Colorado District Court
PLAINTIFF Realtime Data LLC		DEFENDANT Sling TV
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,275,897		
2 8,867,610		
3 8,934,535		
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Tyler Division on the following Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.):

DOCKET NO. 6:17cv549	DATE FILED 9/27/2017	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT AMAZON.COM, INC. et al
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,934,535	1/13/2015	REALTIME ADAPTIVE STREAMING LLC
2 9,769,477	9/19/2017	REALTIME ADAPTIVE STREAMING LLC
3 8,929,442	1/6/2015	REALTIME ADAPTIVE STREAMING LLC
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court _____ for the District of Delaware _____ on the following
 Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO.	DATE FILED 10/26/2017	U.S. DISTRICT COURT for the District of Delaware
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT HAIVISION NETWORK VIDEO INC., HAIVISION NETWORK VIDEO CORP., AND HAIVISION KB, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,934,535	1/13/2015	REALTIME ADAPTIVE STREAMING LLC
2 9,769,477	9/19/2017	REALTIME ADAPTIVE STREAMING LLC
3 8,929,442	1/6/2015	REALTIME ADAPTIVE STREAMING LLC
4 9,762,907	9/12/2017	REALTIME ADAPTIVE STREAMING LLC
5 7,386,046	6/10/2008	REALTIME ADAPTIVE STREAMING LLC

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Tyler Division on the following
 Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 6:17cv567	DATE FILED 10/10/2017	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT ECHOSTAR TECHNOLOGIES L.L.C., DISH NETWORK L.L.C., AND ARRIS GROUP, INC.,
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,867,610	10/21/2014	REALTIME ADAPTIVE STREAMING LLC
2 8,934,535	1/13/2015	REALTIME ADAPTIVE STREAMING LLC
3		
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Tyler Division on the following Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.):

DOCKET NO. 6:17-cv-491	DATE FILED 10/18/2017	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT CISCO SYSTEMS, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,934,535	1/13/2015	REALTIME ADAPTIVE STREAMING LLC
2 9,769,477	9/19/2017	REALTIME ADAPTIVE STREAMING LLC
3 8,929,442	1/6/2015	REALTIME ADAPTIVE STREAMING LLC
4 9,762,907	9/12/2017	REALTIME ADAPTIVE STREAMING LLC
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Central District of California on the following
 Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 2:17-cv-07611	DATE FILED 10/17/2017	U.S. DISTRICT COURT Central District of California
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT HULU, LLC
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,934,535	1/13/2015	Realtime Data, LLC
2 9,769,477	9/19/2017	Realtime Adaptive Streaming LLC
3 9,762,907	9/12/2017	Realtime Adaptive Streaming LLC
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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AO 120 (Rev. 08/10)

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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Tyler Division on the following
 Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 6:17cv567	DATE FILED 10/10/2017	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT ECHOSTAR TECHNOLOGIES L.L.C., DISH NETWORK L.L.C., AND ARRIS GROUP, INC.,
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,867,610	10/21/2014	REALTIME ADAPTIVE STREAMING LLC
2 8,934,535	1/13/2015	REALTIME ADAPTIVE STREAMING LLC
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court _____ for the District of Delaware _____ on the following Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.):

DOCKET NO. 17cv1692	DATE FILED 11/21/2017	U.S. DISTRICT COURT for the District of Delaware
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT NETFLIX, INC. and NETFLIX STREAMING SERVICES, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 7,386,046	6/10/2008	Realtime Adaptive Streaming LLC
2 8,634,462	1/21/2014	Realtime Adaptive Streaming LLC
3 8,934,535	1/13/2015	Realtime Adaptive Streaming LLC
4 9,578,298	2/21/2017	Realtime Adaptive Streaming LLC
5 9,762,907	9/12/2017	Realtime Adaptive Streaming LLC

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

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AO 120 FORM
Report on the Filing and Determination of an Action Regarding a Patent or Trademark
Attachment – Additional Patents

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
9,769,477	09/19/2017	RealTime Adaptive Streaming LLC

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court _____ for the District of Delaware _____ on the following
 Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 17cv1693	DATE FILED 11/21/2017	U.S. DISTRICT COURT for the District of Delaware
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT SONY ELECTRONICS INC., and SONY CORPORATION
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 7,386,046	6/10/2008	RealTime Adaptive Streaming LLC
2 8,634,462	1/21/2014	RealTime Adaptive Streaming LLC
3 8,929,442	1/6/2015	RealTime Adaptive Streaming LLC
4 8,934,535	1/13/2015	RealTime Adaptive Streaming LLC
5 9,578,298	2/21/2017	RealTime Adaptive Streaming LLC

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY <input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK HOLDER OF PATENT OR TRADEMARK
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AO 120 FORM
Report on the Filing and Determination of an Action Regarding a Patent or Trademark
Attachment – Additional Patents

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
9,762,907	09/12/2017	RealTime Adaptive Streaming LLC
9,769,477	09/19/2017	RealTime Adaptive Streaming LLC

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Tyler Division on the following
 Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.):

DOCKET NO. 6:17cv567	DATE FILED 10/10/2017	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT ECHOSTAR TECHNOLOGIES L.L.C., DISH NETWORK L.L.C., AND ARRIS GROUP, INC.,
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,867,610	10/21/2014	REALTIME ADAPTIVE STREAMING LLC
2 8,934,535	1/13/2015	REALTIME ADAPTIVE STREAMING LLC
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AO 120 (Rev. 3/04)

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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Massachusetts on the following Patents or Trademarks:

DOCKET NO. 18-10355	DATE FILED 2/23/2018	U.S. DISTRICT COURT Massachusetts
PLAINTIFF Realtime Adaptive Streaming LLC		DEFENDANT Adobe Systems, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 US 7,386,046 B2	6/10/2008	Realtime Adaptive Streaming, LLC
2 US 8,634,462 B2	1/21/2014	Realtime Adaptive Streaming, LLC
3 US 8,929,442 B2	1/6/2015	Realtime Adaptive Streaming, LLC
4 US 8,934,535 B2	1/13/2015	Realtime Adaptive Streaming, LLC
5 US 9,578,298	2/21/2017	Realtime Adaptive Streaming, LLC

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

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	<input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading	
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AO 120 (Rev. 08/10)

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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Eastern District of Texas, Tyler Division on the following Trademarks or Patents. (the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 6:18-cv-113	DATE FILED 3/9/2018	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT SAMSUNG ELECTRONICS CO., LTD., SAMSUNG ELECTRONICS AMERICA, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 8,934,535	1/13/2015	REALTIME ADAPTIVE STREAMING LLC
2 9,769,477	9/19/2017	REALTIME ADAPTIVE STREAMING LLC
3 8,929,442	1/6/2015	REALTIME ADAPTIVE STREAMING LLC
4 7,386,046	6/10/2008	REALTIME ADAPTIVE STREAMING LLC
5 8,634,462	1/21/2014	REALTIME ADAPTIVE STREAMING LLC

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DOCKET NO. 6:18-cv-113	DATE FILED 3/9/2018	U.S. DISTRICT COURT Eastern District of Texas, Tyler Division
PLAINTIFF REALTIME ADAPTIVE STREAMING LLC		DEFENDANT SAMSUNG ELECTRONICS CO., LTD., SAMSUNG ELECTRONICS AMERICA, INC.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 9,578,298	2/21/2017	REALTIME ADAPTIVE STREAMING LLC
2 9,762,907	9/12/2017	REALTIME ADAPTIVE STREAMING LLC
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