

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2668
		Examiner Name	To Be Assigned
Sheet	95	of	105
		Attorney Docket Number	2855.005000C

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL854	Copy of Supplemental Notice of Allowance for U.S. Appl. No. 12/857,238, mailed February 25, 2014, 2 pages.	
	NPL855	Copy of Non-Final Office Action for U.S. Appl. No. 14/134,933, mailed February 25, 2014, 7 pages.	
	NPL856	Copy of Non-Final Office Action for U.S. Appl. No. 14/033,245, mailed February 26, 2014, 11 pages.	
	NPL857	Copy of Non-Final Office Action for U.S. Appl. No. 14/134,926, mailed February 27, 2014, 16 pages.	
	NPL858	Copy of Final Office Action for U.S. Appl. No. 09/969,987, mailed April 8, 2014, 8 pages.	
	NPL859	Copy of Non-Final Office Action for U.S. Appl. No. 13/403,785, mailed May 9, 2014, 5 pages.	
	NPL860	Copy of Final Office Action for U.S. Application No. 13/118,122, mailed June 18, 2014, 14 pages.	
	NPL861	Copy of Notice of Allowance for U.S. Appl. No. 14/251,453, mailed June 25, 2014; 8 pages.	
	NPL862	Copy of Final Office Action for U.S. Appl. No. 14/134,933, mailed June 27, 2014; 9 pages.	
	NPL863	Copy of Notice of Allowance for U.S. Appl. No. 14/134,926, mailed July 8, 2014, 9 pages.	

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Exhibit 1002  
IPR2018-01630

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	NPL864	Copy of Notice of Allowance for U.S. Appl. No. 14/033,245, mailed July 22, 2014, 13 pages.			
	NPL865	Copy of Non-Final Office Action for U.S. Appl. No. 14/495,574, mailed October 23, 2014; 10 pages.			
	NPL866	Copy of Non-Final Office Action for U.S. Appl. No. 09/969,987, mailed October 23, 2014; 11 pages.			
	NPL867	Copy of Non-Final Office Action for U.S. Appl. No. 13/403,785, mailed December 18, 2014, 17 pages.			
	NPL868	Copy of Non-Final Office Action for U.S. Appl. No. 14/305,692, mailed February 10, 2015, 9 pages.			
	NPL869	Copy of Non-Final Office Action for U.S. Appl. No. 14/303,276, mailed March 12, 2015, 5 pages.			
	NPL870	Copy of Supplemental Notice of Allowability for U.S. Appl. No. 14/495,574, mailed April 7, 2015; 5 pages.			
	NPL871	Copy of Notice of Allowance for U.S. Appl. No. 14/303,276, mailed June 5, 2015; 8 pages.			
	NPL872	Copy of Notice of Allowance for U.S. Appl. No. 09/969,987, mailed July 2, 2015; 10 pages.			
	NPL873	Copy of Notice of Allowance for U.S. Appl. No. 14/727,309, mailed September 30, 2015; 7 pages.			

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	NPL874	Copy of Non-Final Office Action for U.S. Appl. No. 14/733,565, mailed October 19, 2015; 8 pages.			
	NPL875	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.			
	NPL876	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.			
	NPL877	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.			
	NPL878	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.			
	NPL879	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.			
	NPL880	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.			
	NPL881	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.			
	NPL882	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.			
	NPL883	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.			

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	NPL884	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.	
	NPL885	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.	
	NPL886	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.	
	NPL887	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.	
	NPL888	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.	
	NPL889	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.	
	NPL890	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.	
	NPL891	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.	
	NPL892	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.	
	NPL893	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.	

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	NPL894	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.	
	NPL895	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.	
	NPL896	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.	
	NPL897	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.	
	NPL898	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.	
	NPL899	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.	
	NPL900	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.	
	NPL901	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.	
	NPL902	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.	
	NPL903	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.	

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	NPL904	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.	
	NPL905	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.	
	NPL906	Examiner's Determination Under 37 C.F.R. 41.77(d), in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed October 3, 2014; 10 pages.	
	NPL907	Examiner's Determination Under 37 C.F.R. 41.77(d), in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed October 10, 2014; 10 pages.	
	NPL908	Examiner's Determination Under 37 C.F.R. 41.77(d), in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed October 10, 2014; 12 pages.	
	NPL909	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.	
	NPL910	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.	
	NPL911	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.	
	NPL912	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.	
	NPL913	Patent Owner's Reply to Third Party Requester's Comments 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 December 3, 2014, 6 pages.	

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	NPL914	Patent Owner's Reply to Third Party Requester's Comments 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 December 10, 2014, 6 pages.	
	NPL915	Patent Owner's Reply to Third Party Requester's Comments 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 December 10, 2014, 6 pages.	
	NPL916	Decision on Request for Rehearing in Inter Partes Reexamination of U.S. Patent No. 7,714,747, Control No. 95/001,517, mailed January 6, 2015, 7 pages.	
	NPL917	Right of Appeal Notice in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, mailed January 9, 2015, 14 pages.	
	NPL918	Notice of Intent to Issue a Reexamination Certificate in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, issued March 9, 2015, 7 pages.	
	NPL919	Inter Partes Reexamination Certificate, in Inter Partes Reexamination of U.S. Patent No. 6,604,158, Control No. 95/001,923, issued April 17, 2015; 3 pages.	
	NPL920	Decision on Appeal No. 2015-007686, in Inter Partes Reexamination of U.S. Patent No. 7,417,568, Control No. 95/001,533, mailed October 29, 2015; 16 pages.	
	NPL921	Decision on Appeal No. 2015-007706, in Inter Partes Reexamination of U.S. Patent No. 7,777,651, Control No. 95/001,581, mailed October 29, 2015; 16 pages.	
	NPL922	Decision on Appeal No. 2015-007687, in Inter Partes Reexamination of U.S. Patent No. 7,400,274, Control No. 95/001,544, mailed October 29, 2015; 15 pages.	
	NPL923	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.	

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	NPL924	Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Microsoft Corporation, et al., Case No. 4:14-cv-00827 (E.D. Texas), December 19, 2014, 17 pages.	
	NPL925	Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al., No. 6:15-cv-00463 (E.D. Texas), May 8, 2015, 18 pages.	
	NPL926	Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Dropbox, Inc., No. 6:15-cv-00465 (E.D. Texas), May 8, 2015, 14 pages.	
	NPL927	Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Echostar Corporation, et al., No. 6:15-cv-00466 (E.D. Texas), May 8, 2015, 15 pages.	
	NPL928	Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Riverbed Technology, Inc., et al., No. 6:15-cv-00468 (E.D. Texas), May 8, 2015, 26 pages.	
	NPL929	Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. BMC Software, Inc., No. 6:15-cv-00464 (E.D. Texas), May 8, 2015, 17 pages.	
	NPL930	Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Oracle America, Inc., et al., No. 6:15-cv-00467 (E.D. Texas), May 8, 2015, 41 pages.	
	NPL931	Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. SAP America, Inc., et al., No. 6:15-cv-00469 (E.D. Texas), May 8, 2015, 34 pages.	
	NPL932	Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Teradata Corporation, et al., No. 6:15-cv-00470 (E.D. Texas), May 8, 2015, 17 pages.	
	NPL933	First Amended Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. SAP America, Inc., et al., No. 6:15-cv-00469 (E.D. Texas), June 2, 2015, 50 pages.	

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	NPL934	Defendants Actian Corporation and Pervasive Software Inc.'s Motion to Dismiss Complaint, filed in Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Tex.), filed July 24, 2015; 22 pages.	
	NPL935	Defendant Dropbox, Inc.'s Motion to Dismiss for Failure to State a Claim, filed in Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Tex.), filed July 24, 2015; 3 pages.	
	NPL936	Defendants SAP America Inc., Sybase, Inc., Hewlett-Packard Company, HP Enterprise Services, LLC, Dell Inc., BMC Software, Inc., Echostar Corporation, and Hughes Network Systems, LLC's Motion to Dismiss First Amended Complaint, filed in Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Tex.), filed July 24, 2015; 37 pages.	
	NPL937	Defendant Riverbed Technology's Motion to Dismiss for Failure to State a Claim, filed in Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Tex.), filed July 27, 2015; 3 pages.	
	NPL938	Dell Inc.'s Motion to Dismiss, filed in Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Tex.), filed July 28, 2015; 3 pages.	
	NPL939	First Amended Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Tex.), filed July 29, 2015; 42 pages.	
	NPL940	Realtime Data LLC d/b/a IXO's Answer to Hewlett-Packard Company and HP Enterprise Services, LLC's Counterclaim, filed in Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Tex.), filed August 3, 2015; 8 pages.	
	NPL941	Defendant's Reply Brief on their Motion to Dismiss First Amended Complaint, filed in Realtime Data LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL, filed September 11, 2015; 15 pages.	
	NPL942	Defendants Actian Corporation and Pervasive Software Inc.'s Motion to Dismiss First Amended Complaint, filed in Realtime Data LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL, filed September 29, 2015; 32 pages.	
	NPL943	Defendants Hewlett-Packard Company and HP Enterprise Services, LLC's Answer and Counterclaims to Plaintiff's Second Amended Complaint for Patent Infringement Against Oracle America, Inc., filed in Realtime Data LLC d/b/a IXO v. Actian Corporation, et al., filed October 1, 2015; 23 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.

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

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2668
		Examiner Name	To Be Assigned
		Attorney Docket Number	2855.005000C
Sheet	104	of	105

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL944	Defendant Oracle America, Inc.'s Answer to Realtime Data LLC's Second Amended Complaint and Counterclaims, filed in Realtime Data LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL, filed October 1, 2015; 30 pages.	
	NPL945	Defendants SAP America Inc., Sybase, Inc., Hewlett-Packard Company, HP Enterprise Services, LLC, Dell Inc., Echostar Corporation, Hughes Network Systems, LLC, Dropbox, Inc., and Riverbed Technology, Inc.'s Motion to Dismiss Amended Complaints, filed in Realtime Data LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL, filed October 1, 2015; 11 pages.	
	NPL946	Defendant Teradata Operations, Inc.'s Answer, Affirmative Defenses, and Counterclaims to Plaintiff Realtime Data LLC's Amended Complaint, filed in Realtime Data LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL, filed October 2, 2015; 23 pages.	
	NPL947	Complaint for Patent Infringement, filed in Realtime Data LLC d/b/a IXO v. Apple, Inc., Case No. 6:15-cv-00885, filed October 6, 2015; 17 pages.	
	NPL948	Court Docket History for Realtime Data, LLC d/b/a IXO v. Microsoft Corporation, et al., Case No. 4:14-cv-00827 (E.D. Texas), downloaded October 28, 2015, 5 pages.	
	NPL949	Court Docket History for Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al., Case No. 6:15-cv-00463 (E.D. Texas), downloaded October 28, 2015, 19 pages.	
	NPL950	Court Docket History for Realtime Data, LLC d/b/a IXO v. Dropbox, Inc., Case No. 6:15-cv-00465 (E.D. Texas), downloaded October 28, 2015, 4 pages.	
	NPL951	Court Docket History for Realtime Data, LLC d/b/a IXO v. Echostar Corporation, et al., Case No. 6:15-cv-00466 (E.D. Texas), downloaded October 28, 2015, 3 pages.	
	NPL952	Court Docket History for Realtime Data, LLC d/b/a IXO v. Riverbed Technology, Inc., et al., Case No. 6:15-cv-00468 (E.D. Texas), downloaded October 28, 2015, 3 pages.	
	NPL953	Court Docket History for Realtime Data, LLC d/b/a IXO v. BMC Software, Inc., Case No. 6:15-cv-00464 (E.D. Texas), downloaded October 28, 2015, 3 pages.	
Examiner Signature		Date Considered	

\*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.

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

Substitute for form 1449/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2668
		Examiner Name	To Be Assigned
Sheet	105	of	105
		Attorney Docket Number	2855.005000C

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL954	Court Docket History for Realtime Data, LLC d/b/a IXO v. Oracle America, Inc., et al., Case No. 6:15-cv-00467 (E.D. Texas), downloaded October 28, 2015, 4 pages.	
	NPL955	Court Docket History for Realtime Data, LLC d/b/a IXO v. SAP America, Inc., et al., Case No. 6:15-cv-00469 (E.D. Texas), downloaded October 28, 2015, 5 pages.	
	NPL956	Court Docket History for Realtime Data, LLC d/b/a IXO v. Teradata Corporation, et al., Case No. 6:15-cv-00470 (E.D. Texas), downloaded October 28, 2015, 5 pages.	
	NPL957	Court Docket History for Realtime Data, LLC d/b/a IXO v. Apple, Inc., Case No. 6:15-cv-00885 (E.D. Texas), downloaded October 28, 2015, 2 pages.	
	NPL958	U.S. Patent Application No. 14/577,286, FALLON et al., "System and Methods for Video and Audio Data Distribution," filed December 19, 2014.	
	NPL959	U.S. Patent Application No. 14/733,565, FALLON et al., "System and Methods for Video and Audio Data Distribution," filed June 8, 2015.	
	NPL960	U.S. Patent Application No. 14/794,201, FALLON, "System and Methods for Accelerated Data Storage and Retrieval," filed July 8, 2015.	
	NPL961	U.S. Patent Application No. 14/844,973, FALLON, "System and Method for Data Feed Acceleration and Encryption," filed September 3, 2015.	
	NPL962	U.S. Patent Application No. 14/853,581, FALLON, "Data Feed Acceleration," filed September 14, 2015.	

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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.

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

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	23940708
<b>Application Number:</b>	14876276
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	3403
<b>Title of Invention:</b>	Video Data Compression Systems
<b>First Named Inventor/Applicant Name:</b>	James J. FALLON
<b>Customer Number:</b>	26111
<b>Filer:</b>	Michael V. Messinger/William Flanigen
<b>Filer Authorized By:</b>	Michael V. Messinger
<b>Attorney Docket Number:</b>	2855.005000C
<b>Receipt Date:</b>	30-OCT-2015
<b>Filing Date:</b>	06-OCT-2015
<b>Time Stamp:</b>	12:40:58
<b>Application Type:</b>	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		2855005000C_IDS.pdf	7235704 <small>3efc0a11a80a41209fccaaa6aee4c00e7c5146d0</small>	yes	42

Multipart Description/PDF files in .zip description					
Document Description			Start	End	
Miscellaneous Incoming Letter			1	1	
Transmittal Letter			2	10	
Information Disclosure Statement (IDS) Form (SB08)			11	42	
<b>Warnings:</b>					
<b>Information:</b>					
2	Information Disclosure Statement (IDS) Form (SB08)	2855005000C_IDS_PTOSB08b.pdf	17139994 7911961e7c1ce82c9b2d196bbbed1a5aaffcd3bc	no	105
<b>Warnings:</b>					
<b>Information:</b>					
This is not an USPTO supplied IDS fillable form					
3	Non Patent Literature	NPL874_NFOA_14733565_10192015.pdf	261477 891d61fc74891f4d50b8722559e42c42ca829e51	no	8
<b>Warnings:</b>					
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4	Non Patent Literature	NPL947_Apple_Complaint_10065015.pdf	181764 ea4cd2ae5e82a12aeb7f67bcfd6e28227a794f5	no	17
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<b>Information:</b>					
5	Non Patent Literature	NPL948_Microsoft_Docket_History_10282015.pdf	2073284 15ae45ed74ac2be02b2233561cee3238e3e37c2	no	5
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6	Non Patent Literature	NPL949_Actian_Docket_10282015.pdf	8619581 c82c06f3a13065e7df2070720a7bdd781294e54e	no	19
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7	Non Patent Literature	NPL950_Dropbox_Docket_10282015.pdf	1879056 c47732461c616e23d0a6c96afdfa28721f1774a	no	4
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<b>Information:</b>					
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11	Non Patent Literature	NPL920_Appeal_Decision_95001533_10292015.pdf	200164 3dd3796073008254fc27251e8a512eeaf7ffd4ca	no	16
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<b>Information:</b>					
13	Non Patent Literature	NPL922_Appeal_Decision_95001544_10292015.pdf	207179 de825690f526773a369d825298cd68db99d61a	no	15
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<b>Information:</b>					
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<b>Information:</b>					
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<b>Information:</b>					
16	Non Patent Literature	NPL956_Teradata_10282015.pdf	2119011 4cc6119b9a1fe5785cd1cabe29545bda85650205	no	5
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<b>Warnings:</b>					
<b>Information:</b>					
18	Non Patent Literature	NPL957_Apple_Docket_10282 015.pdf	290503  8fe66cca605a0ef7442c0b7e418e972b374c 767f	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>				72675780	
<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><b><u>New Applications Under 35 U.S.C. 111</u></b>  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><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  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><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  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  
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October 30, 2015

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

Confirmation No. 3403  
Art Unit 2668  
*Attn: Mail Stop Amendment*

Re: U.S. Utility Patent Application  
Application No. 14/876,276; Filing Date: October 6, 2015  
For: **Video Data Compression Systems**  
Inventors: FALLON *et al.*  
Our Ref: 2855.005000C

Commissioner:

Transmitted herewith for appropriate action are the following documents:

1. Information Disclosure Statement;
2. Form PTO/SB/08a (32 sheets) listing 651 documents (**US1-US624** and **FP1-FP27**);
3. Form PTO/SB/08b (105 sheets) listing 962 documents (**NPL1-NPL962**); and
4. Copies of cited documents (**NPL874**, **NPL920-NPL922**, and **NPL947-NPL958**).

***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.

A handwritten signature in black ink, appearing to read 'Michael V. Messinger', written over the printed name.

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

MVM/MRM/wcf  
Enclosures

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: FALLON *et al.*  
 Applicant: Realtime Data, LLC  
 Application No.: 14/876,276  
 Filing Date: October 6, 2015  
 Title: Video Data Compression Systems

Confirmation No.: 3403  
 Art Unit: 2668  
 Examiner: To Be Assigned  
 Atty. Docket: 2855.005000C

**Information Disclosure Statement**

*Mail Stop Amendment*

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:

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,486)	Inter Partes Reexamination Certificate issued 10/10/2012
Inter Partes Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/000,466)	Inter Partes Reexamination Certificate issued 05/15/2012
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,453)	Terminated
Ex Parte Reexamination of U.S. Patent No. 6,601,104 (Control No. 90/009,428)	Ex Parte Reexamination Certificate issued 02/28/2012
Inter Partes Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/000,478)	Inter Partes Reexamination Certificate issued 10/04/2012
Inter Partes Reexamination of U.S. Patent No. 6,624,761 (Control No. 95/000,464)	Inter Partes Reexamination Certificate issued 06/12/2012
Inter Partes Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/000,479)	Inter Partes Reexamination Certificate issued 05/22/2012
Inter Partes Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Appeal to the Court of Appeals for the Federal Circuit dismissed 6/4/2015

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Decision on Appeal mailed 10/29/2015

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:

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	Inter Partes Reexamination Certificate issued 12/05/2013
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Inter Partes Reexamination Certificate issued 04/17/2015
Inter Partes Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	Inter Partes Reexamination Certificate issued 08/04/2014
Inter Partes Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	Inter Partes Reexamination Certificate issued 11/03/2014
Inter Partes Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	Inter Partes Reexamination Certificate issued 01/08/2014
Inter Partes Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	Inter Partes Reexamination Certificate issued 08/16/2013
Inter Partes Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	Inter Partes Reexamination Certificate issued 01/08/2014

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 reexaminations are listed as documents NPL670-NPL840 and NPL875-NPL922.

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)	Case Terminated 11/9/2012; 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)	Case Terminated 11/9/2012; 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) (transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Case Terminated 11/9/2012; 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
11	<i>Realtime Data, LLC d/b/a IXO v. Microsoft Corporation, et al.</i> , No. 4:14-cv-00827 (E.D. Texas)	Dismissed May 1, 2015
12	<i>Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al.</i> , No. 6:15-cv-00463 (E.D. Texas)	Amended Complaints for Patent Infringement filed September 14, 2015
13	<i>Realtime Data, LLC d/b/a IXO v. Dropbox, Inc.</i> , No. 6:15-cv-00465 (E.D. Texas)	Consolidated with Case No. 12
14	<i>Realtime Data, LLC d/b/a IXO v. Echostar Corporation, et al.</i> , No. 6:15-cv-00466 (E.D. Texas)	Consolidated with Case No. 12
15	<i>Realtime Data, LLC d/b/a IXO v. Riverbed Technology, Inc., et al.</i> , No. 6:15-cv-00468 (E.D. Texas)	Consolidated with Case No. 12
16	<i>Realtime Data, LLC d/b/a IXO v. BMC Software, Inc.</i> , No. 6:15-cv-00464 (E.D. Texas)	Terminated October 5, 2015
17	<i>Realtime Data, LLC d/b/a IXO v. Oracle America, Inc., et al.</i> , No. 6:15-cv-00467 (E.D. Texas)	Consolidated with Case No. 12
18	<i>Realtime Data, LLC d/b/a IXO v. SAP America, Inc., et al.</i> , No. 6:15-cv-00469 (E.D. Texas)	Consolidated with Case No. 12
19	<i>Realtime Data, LLC d/b/a IXO v. Teradata Corporation, et al.</i> , No. 6:15-cv-00470 (E.D. Texas)	Consolidated with Case No. 12
20	<i>Realtime Data, LLC d/b/a IXO v. Apple, Inc.</i> , No. 6:15-cv-00885 (E.D. Texas)	Complaint filed October 6, 2015

Court dockets for litigations are submitted herewith as documents **NPL431**, **NPL566-572**, and **NPL948-NPL957**.

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.

Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Concise explanations of the relevance of the non-English language documents appear below in accordance with 37 C.F.R. § 1.98(a)(3).

Document **FP1** (DE 4127518) is in the German language. An English-language abstract is as follows:

The magnetic disc storage device is connected to a host processor (5) and contains at least one magnetic disc for the storage of data with system startup data in a startup data region, a buffer memory (2) for data to be transferred from the disc/host computer and a data communication device (1). The data communication device transfers the startup data from the startup data region into the buffer memory at the time of system startup. The storage device can be used as an external memory device. **ADVANTAGE** - Enables very short startup times to be achieved for memory systems.

Document **FP12** (JP 6051989) is in the Japanese language. An English-language abstract is as follows:

**PURPOSE:** To perform the fast load processing of an operating system without performing the read processing of volume information for the whole device in spite of the presence/absence of a restore command in the initial load processing of the operating system.

CONSTITUTION: This system is provided with the device name instruction means 2 of a system storage file volume which instructs a volume in which a system storage file is stored in a device name by a REST command to instruct the generation of a system residence volume, the acquiring means 3 of the correspondence table of the device name with a channel number, a channel number acquiring means 4 to acquire the channel number from the device name of the volume, a restore processing means 5 which performs the generation processing of the system residence volume based on the device name and the channel number, and a device name/channel number correspondence table 6.

Document **FP13** (JP 9188009) is in the Japanese language. An English-language abstract is as follows:

**PROBLEM TO BE SOLVED:** To provide a printer capable of enhancing a compression ratio by electing a compression method fitted to data from a plurality of compression methods to perform compression and the data compressing method in the printer.

**SOLUTION:** A laser beam printer is equipped with an ROM 4 storing a plurality of preset compression methods and a CPU 3 having a data kind discriminating function analyzing the command of received data and discriminating the kind of data on the basis of the analytical result, a compression method selecting function selecting the compression method fitted to the kind of the discriminated data from a plurality of the compression methods stored in the ROM 4 and data compressing function compressing the data on the basis of the selected compression method.

Document **FP14** (JP 11149376) is in the Japanese language. An English-language abstract is as follows:

**PROBLEM TO BE SOLVED:** To provide a more flexible software development environment by realizing the same function with a circuit mounting an Initial Program Loader ROM in circuit constitution of a smaller scale.

**SOLUTION:** A BOOT loader circuit is provided with a BOOT detection part 4 for detecting whether a system becomes a BOOT mode or not, an address decoder 5 for generating a selection signal for each device, switch parts 6 and 7 for selecting ROM and the external

input interface and a CPU stop control part 8 for instructing the stop of CPU various conditions.

Document **FP18** (WO 95/29437 A1) is in the Japanese language. An English-language abstract is as follows:

A differential value and compressibility calculating means (76) of a data processing means (71) of a data transmitter calculates the actual differential value and the actual compressibility based on the data length of uncompressed data received from a data outputting source (2) through an uncompressed data receiving means (74) and the data length of compressed data from a data compressing circuit (67). When the actual differential value is equal to or larger than a set differential value alpha, at the same time, the actual compressibility is equal to or larger than a set compressibility beta, the means (76) transmits the compressed data to a destination (3) through a transfer-requested data outputting means (79), and, in the other cases, transmits the uncompressed data to the destination (3).

Therefore, such a phenomenon that the area occupied by compressed data in the memory area in the destination (3) is almost equal to the area occupied by uncompressed data in the memory area can be prevented, and useless data expansion can be avoided at the destination (3).

Document **FP27** (JP 04-241681) is in the Japanese language. An English-language abstract is as follows:

**PURPOSE:** To provide a means which can make optimum compression on data of any kinds of data pattern and can improve the data compressing efficiency.

**CONSTITUTION:** At the time of storing data, the data are compressed by means of compression circuits 11 and 12 of plural data compressing systems and counted results of the byte numbers of the compressed data are compared with each other after the byte numbers are counted. Then the compressed data of the smallest amount are selected and stored in a storing section 2 after adding a code indicating the compressing system. At the time of reading out the recorded data, the data are restored to the original data by selecting

the corresponding restoration circuit 31 or 32 in accordance with the added code indicating the compressing system.

Copies of documents **NPL874**, **NPL920-NPL922**, and **NPL948-NPL958** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2)(ii), no copies of the U.S. patents and patent application publications cited as documents **US1-US624** on the attached IDS Forms are submitted.

Additionally, copies of unpublished U.S. applications **NPL959-NPL962**, cited on the attached IDS Forms, are 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 unpublished 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."

Copies of documents **FP1-FP27**, **NPL1-NPL873**, and **NPL875-NPL919**, and **NPL923-NPL947** were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application Nos. 14/733,565, filed June 8, 2015 (now pending); 14/577,286, filed December 19, 2014 (now abandoned); 14/134,933, filed December 19, 2013 (now U.S. Patent No. 8,929,442); 14/033,245, filed September 20, 2013 (now U.S. Patent No. 8,934,535); 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/or 10/076,013, filed February 13, 2002 (now U.S. Patent No. 7,386,046), which are relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

Applicant submits herewith actions from co-pending, commonly assigned U.S. Patent Applications as documents **NPL573-NPL658** and **NPL841-NPL874**. The identification of these 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. 14/733,565, filed June 8, 2015 (now pending); 14/577,286, filed December 19,



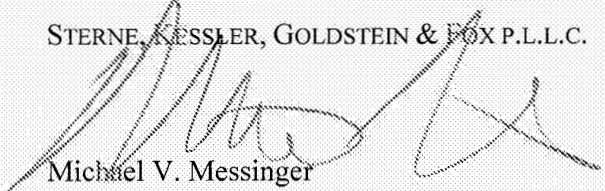
2014 (now abandoned); 14/134,933, filed December 19, 2013 (now U.S. Patent No. 8,929,442); 14/033,245, filed September 20, 2013 (now U.S. Patent No. 8,934,535); 13/154,239, filed June 6, 2011 (now U.S. Patent No. 8,553,759); 12/123,081, filed May 19, 2008 (now U.S. Patent No. 8,073,047); and 10/076,013, 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  
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Registration No. 37,575

Date:

October 30, 2015

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Substitute for form 1449/PTO			<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>			Application Number	14/876,276
			Filing Date	October 6, 2015
			First Named Inventor	James J. FALLON
			Art Unit	2668
			Examiner Name	To Be Assigned
			Attorney Docket Number	2855.005000C
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U.S. PATENT DOCUMENTS						
Examiner initials*	Cite No. <sup>1</sup>	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 <sup>2</sup> (if known)				
	US1	3,394,352		07-23-1968	Wernikoff et al.	
	US2	3,490,690		01-20-1970	Apple et al.	
	US3	4,021,782		05-03-1977	Hoerning	
	US4	4,032,893		06-28-1977	Moran	
	US5	4,054,951		10-18-1977	Jackson et al.	
	US6	4,127,518		11-28-1978	Coy et al.	
	US7	4,302,775		11-24-1981	Widergren et al.	
	US8	4,325,085		04-13-1982	Gooch	
	US9	4,360,840		11-23-1982	Wolfrun et al.	
	US10	4,386,416		05-31-1983	Giltner et al.	
	US11	4,394,774		07-19-1983	Widergren et al.	
	US12	4,464,650		08-07-1984	Eastman	
	US13	4,494,108		01-15-1985	Langdon, Jr. et al.	
	US14	4,499,499		02-12-1985	Brickman et al.	
	US15	4,574,351		03-04-1986	Dang et al.	
	US16	4,593,324		06-03-1986	Ohkubo et al.	
	US17	4,626,829		12-02-1986	Hauck	
	US18	4,646,061		02-24-1987	Bledsoe	
	US19	4,682,150		07-21-1987	Mathes et al.	
	US20	4,701,745		10-20-1987	Waterworth	

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		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)					
	FP1	DE	4127518	02-27-1992	Tokico Ltd		X
	FP2	EP	0 164677	12-18-1985	Texas Instruments Inc		
	FP3	EP	0 185098	06-25-1986	Hitachi Ltd		
	FP4	EP	0283798	09-28-1988	International Business Machines Corporation		
	FP5	EP	0405572	01-02-1991	Fujitsu Limited		
	FP6	EP	0493130	07-01-1992	Canon Kabushiki Kaisha		
	FP7	EP	0587437	03-16-1994	International Business Machines Corporation		
	FP8	EP	0595406	05-04-1994	Philips Electronics		

Examiner Signature	Date Considered
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		Number-Kind Code <sup>2</sup> (if known)				
	US21	4,729,020		03-01-1988	Schaphorst et al.	
	US22	4,730,348		03-08-1988	MacCrisken	
	US23	4,745,559		05-17-1988	Willis et al.	
	US24	4,748,638		05-31-1988	Freidman et al.	
	US25	4,750,135		06-07-1988	Boilen	
	US26	4,754,351		06-28-1988	Wright	
	US27	4,804,959		02-14-1989	Makansi et al.	
	US28	4,813,040		03-14-1989	Futato	
	US29	4,814,746		03-21-1989	Miller et al.	
	US30	4,862,167		08-29-1989	Copeland, III	
	US31	4,866,601		09-12-1989	DuLac et al.	
	US32	4,870,415		09-26-1989	Van Maren et al.	
	US33	4,872,009		10-03-1989	Tsukiyama et al.	
	US34	4,876,541		10-24-1989	Storer	
	US35	4,888,812		12-19-1989	Dinan et al.	
	US36	4,890,282		12-26-1989	Lambert et al.	
	US37	4,897,717		01-30-1990	Hamilton et al.	
	US38	4,906,991		03-06-1990	Fiala et al.	
	US39	4,906,995		03-06-1990	Swanson	
	US40	4,929,946		05-29-1990	O'Brien et al.	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
	FP9	EP 0718751		06-26-1996	International Business Machines Corporation		
	FP10	EP 0 928 070 A2		07-07-1999	Unwired Planet, Inc.		
	FP11	GB 2162025		01-22-1986	King Reginald Alfred		
	FP12	JP 6051989		02-25-1994	NEC Corp		X
	FP13	JP 9188009		07-22-1997	Canon Inc		X
	FP14	JP 11149376		06-02-1999	Toyo Commun Equip Co. Ltd		X
	FP15	WO 9414273		06-23-1994	Voxson International Pty Ltd		
	FP16	WO 9429852		12-22-1994	Maxtor Corp		

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		Number-Kind Code <sup>2</sup> (if known)				
	US41	4,953,324		09-04-1990	Hermann	
	US42	4,956,808		09-11-1990	Aakre et al.	
	US43	4,965,675		10-23-1990	Hori et al.	
	US44	4,988,998		01-29-1991	O'Brien	
	US45	5,003,307		03-26-1991	Whiting et al.	
	US46	5,016,009		05-14-1991	Whiting et al.	
	US47	5,027,376		06-25-1991	Freidman et al.	
	US48	5,028,922		07-02-1991	Huang	
	US49	5,045,848		09-03-1991	Fascenda	
	US50	5,045,852		09-03-1991	Mitchell et al.	
	US51	5,046,027		09-03-1991	Taaffe et al.	
	US52	5,049,881		09-17-1991	Gibson et al.	
	US53	5,091,782		02-25-1992	Krause et al.	
	US54	5,097,261		03-17-1992	Langdon, Jr. et al.	
	US55	5,109,226		04-28-1992	MacLean, Jr. et al.	
	US56	5,109,433		04-28-1992	Notenboom	
	US57	5,109,451		04-28-1992	Aono et al.	
	US58	5,113,522		05-12-1992	Dinwiddie, Jr. et al.	
	US59	5,115,309		05-19-1992	Hang	
	US60	5,121,342		06-09-1992	Szyborski	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
	FP17	WO 9502873		01-26-1995	Philips Electronics		
	FP18	WO 95/29437 A1		11-02-1995	Sony Corp		X
	FP19	WO 9748212		12-18-1997	Nokia Telecommunications		
	FP20	WO9839699 A2		09-11-1998	Intelligent Compression Technologies		
	FP21	WO 9908186		02-18-1999	Macronix International Co, Ltd		
	FP22	WO0036754 A1		06-22-2000	Microsoft Corporation		
	FP23	WO 01/057642		08-09-2001	Realtime Data LLC		
	FP24	WO 01/057659		08-09-2001	Realtime Data LLC		

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			Attorney Docket Number	2855.005000C
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		Number-Kind Code <sup>2</sup> (if known)				
	US61	5,126,739		06-30-1992	Whiting et al.	
	US62	5,128,963		07-07-1992	Akagiri	
	US63	5,132,992		07-21-1992	Yurt et al.	
	US64	5,146,221		09-08-1992	Whiting et al.	
	US65	5,150,430		09-22-1992	Chu	
	US66	5,155,484		10-13-1992	Chambers, IV	
	US67	5,159,336		10-27-1992	Rabin et al.	
	US68	5,167,034		11-24-1992	MacLean, Jr. et al.	
	US69	5,175,543		12-29-1992	Lantz	
	US70	5,179,651		01-12-1993	Taaffe et al.	
	US71	5,187,793		02-16-1993	Keith et al.	
	US72	5,191,431		03-02-1993	Hasegawa et al.	
	US73	5,204,756		04-20-1993	Chevion et al.	
	US74	5,209,220		05-11-1993	Hiyama et al.	
	US75	5,212,742		05-18-1993	Normile et al.	
	US76	5,226,176		07-06-1993	Westaway et al.	
	US77	5,227,893		07-13-1993	Ett	
	US78	5,231,492		07-27-1993	Dangi et al.	
	US79	5,237,460		08-17-1993	Miller et al.	
	US80	5,237,675		08-17-1993	Hannon, Jr.	

### FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
	FP25	WO	01/63772	08-30-2001	Physical Optics Corporation		
	FP26	WO	02/39591	05-16-2002	Realtime Data LLC		
	FP27	JP	04-241681	08-28-1992	Fujitsu Limited		X

Examiner Signature	Date Considered
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			Sheet	5

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		Number-Kind Code <sup>2</sup> (if known)				
	US81	5,243,341		09-07-1993	Seroussi et al.	
	US82	5,243,348		09-07-1993	Jackson	
	US83	5,247,638		09-21-1993	O'Brien et al.	
	US84	5,247,646		09-21-1993	Osterlund et al.	
	US85	5,249,053		09-28-1993	Jain	
	US86	5,263,168		11-16-1993	Toms et al.	
	US87	5,267,333		11-30-1993	Aono	
	US88	5,270,832		12-14-1993	Balkanski et al.	
	US89	5,280,600		01-18-1994	Van Maren et al.	
	US90	5,287,420		02-15-1994	Barrett	
	US91	5,289,580		02-22-1994	Latif et al.	
	US92	5,293,379		03-08-1994	Carr	
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	US97	5,331,425		07-19-1994	Ozaki et al.	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					

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Substitute for form 1449/PTO			<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>			Application Number	14/876,276
			Filing Date	October 6, 2015
			First Named Inventor	James J. FALLON
			Art Unit	2668
			Examiner Name	To Be Assigned
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Examiner initials*	Cite No. <sup>1</sup>	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 <sup>2</sup> (if known)				
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	US103	5,357,614		10-18-1994	Pattisam et al.	
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	US105	5,373,290		12-13-1994	Lempel et al.	
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	US107	5,379,036		01-03-1995	Storer	
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Examiner initials*	Cite No. <sup>1</sup>	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 <sup>6</sup>
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	Filing Date	October 6, 2015
	First Named Inventor	James J. FALLON
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	Examiner Name	To Be Assigned
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		Number	Kind Code <sup>2</sup> (if known)			
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Examiner initials*	Cite No. <sup>1</sup>	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	T6
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		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2668
		Examiner Name	To Be Assigned
		Attorney Docket Number	2855.005000C
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		Number-Kind Code <sup>2</sup> (if known)				
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>			Application Number	14/876,276
			Filing Date	October 6, 2015
			First Named Inventor	James J. FALLON
			Art Unit	2668
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		Number-Kind Code <sup>2</sup> (if known)				
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		Filing Date	October 6, 2015		
		First Named Inventor	James J. FALLON		
		Art Unit	2668		
		Examiner Name	To Be Assigned		
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		Number-Kind Code <sup>2</sup> (if known)				
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			Application Number	14/876,276
Substitute for form 1449/PTO  Sheet <span style="border: 1px solid black; padding: 0 5px;">12</span> of <span style="border: 1px solid black; padding: 0 5px;">32</span>			Filing Date	October 6, 2015
			First Named Inventor	James J. FALLON
			Art Unit	2668
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		Number-Kind Code <sup>2</sup> (if known)				
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Substitute for form 1449/PTO			<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>			Application Number	14/876,276
			Filing Date	October 6, 2015
			First Named Inventor	James J. FALLON
			Art Unit	2668
			Examiner Name	To Be Assigned
			Attorney Docket Number	2855.005000C
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**U.S. PATENT DOCUMENTS**

Examiner initials*	Cite No. <sup>1</sup>	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 <sup>2</sup> (if known)				
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	US282	5,881,104		03-09-1999	Akahane	
	US283	5,883,975		03-16-1999	Narita et al.	
	US284	5,884,269		03-16-1999	Cellier et al.	
	US285	5,886,655		03-23-1999	Rust	
	US286	5,887,165		03-23-1999	Martel et al.	
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	US298	5,923,860		07-13-1999	Olarig	
	US299	5,930,358		07-27-1999	Rao	
	US300	5,936,616		08-10-1999	Torborg, Jr. et al.	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known):					

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		Number-Kind Code <sup>2</sup> (if known)				
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	US302	5,943,692		08-24-1999	Marberg	
	US303	5,945,933		08-31-1999	Kalkstein	
	US304	5,949,355		09-07-1999	Panaoussis	
	US305	5,949,968		09-07-1999	Gentile	
	US306	5,951,623		09-14-1999	Reynar et al.	
	US307	5,955,976		09-21-1999	Heath	
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	US318	5,982,360		11-09-1999	Wu et al.	
	US319	5,982,723		11-09-1999	Kamatani	
	US320	5,987,022		11-16-1999	Geiger et al.	

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			Art Unit	2668
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	US322	5,987,590		11-16-1999	Wing So	
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	US325	5,996,033		11-30-1999	Chiu-Hao	
	US326	6,000,009		12-07-1999	Brady	
	US327	6,002,411		12-14-1999	Dye	
	US328	6,003,115		12-14-1999	Spear et al.	
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	US333	6,021,433		02-01-2000	Payne	
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			Filing Date	October 6, 2015
			First Named Inventor	James J. FALLON
			Art Unit	2668
			Examiner Name	To Be Assigned
			Attorney Docket Number	2855.005000C
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		Number-Kind Code <sup>2</sup> (if known)				
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	US342	6,058,459		05-02-2000	Owen et al.	
	US343	6,061,398		05-09-2000	Satoh et al.	
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	US345	6,070,179		05-30-2000	Craft	
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			Art Unit	2668
			Examiner Name	To Be Assigned
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		Art Unit	2668
		Examiner Name	To Be Assigned
		Attorney Docket Number	2855.005000C
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	US470	6,885,316		04-26-2005	Mehring	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					

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Substitute for form 1449/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2668
		Examiner Name	To Be Assigned
		Attorney Docket Number	2855.005000C
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		Art Unit	2668
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			Filing Date	October 6, 2015
			First Named Inventor	James J. FALLON
			Art Unit	2668
			Examiner Name	To Be Assigned
			Attorney Docket Number	2855.005000C
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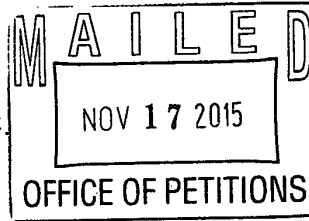




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WASHINGTON DC 20005



Doc Code: TRACK1.GRANT

<p><b>Decision Granting Request for Prioritized Examination (Track I or After RCE)</b></p>	<p>Application No.: 14/876,276</p>
<p>1. THE REQUEST FILED <u>10/6/15</u> IS <b>GRANTED</b>.</p> <p>The above-identified application has met the requirements for prioritized examination</p> <p>A. <input checked="" type="checkbox"/> for an original nonprovisional application (Track I).  B. <input type="checkbox"/> for an application undergoing continued examination (RCE).</p> <p>2. <b>The above-identified application will undergo prioritized examination.</b> The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:</p> <p>A. filing a <b><u>petition for extension of time</u></b> to extend the time period for filing a reply;  B. filing an <b><u>amendment to amend the application to contain more than four independent claims, more than thirty total claims</u></b>, or a multiple dependent claim;  C. filing a <b><u>request for continued examination</u></b>;  D. filing a notice of appeal;  E. filing a request for suspension of action;  F. mailing of a notice of allowance;  G. mailing of a final Office action;  H. completion of examination as defined in 37 CFR 41.102; or  I. abandonment of the application.</p> <p>Telephone inquiries with regard to this decision should be directed to Cheryl Gibson-Baylor at (571)272-3213, Office of Petitions. In his/her absence, calls may be directed to Brian W. Brown, (571)272-5338.</p> <p>Cheryl Gibson-Baylor  <u>/Cheryl Gibson-Baylor/</u>  [Signature]</p> <p>Petitions Paralegal Specialist  (Title)</p>	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Realtime Data LLC

Appl. No.: 14/876,276

Filed: October 6, 2015

For: **Video Data Compression Systems**

Confirmation No.: 3403

Art Unit: 2482

Examiner: To Be Assigned

Atty. Docket: 2855.005000C

**Preliminary Amendment Under 37 C.F.R. § 1.115**

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

Sir:

In advance of prosecution, Applicant respectfully requests this Application to be amended as directed herein.

It is not believed that extensions of time or fees for net addition of claims 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 fees required therefor (including fees for net addition of claims) 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 October 6, 2015 be amended as follows:

[0001] This application is a continuation of United States Patent Application No. 14/733,565, filed on June 8, 2015, which is a continuation of United States Patent Application No. 14/577,286, filed on December 19, 2014, now abandoned, which is a continuation of United States Patent Application No. 14/134,933, filed on December 19, 2013, now U.S. Patent No. 8,929,442, which is a continuation of United States Patent Application No. 14/033,245, filed on September 20, 2013, now U.S. Patent No. 8,934,535, which 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.

*Amendments to the Claims*

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

1. (Currently Amended) A system for compressing video data, comprising:  
a plurality of different asymmetric data compression ~~encoders~~ algorithms, wherein a first asymmetric data compression ~~encoder~~ algorithm of the plurality of different asymmetric data compression ~~encoders~~ algorithms is configured to compress data at a higher data compression rate than a second asymmetric data compression ~~encoder~~ algorithm of the plurality of different asymmetric data compression ~~encoders~~ algorithms, wherein compression rate is measured in bits per second; and

one or more processors configured to:

determine one or more data parameters from one or more data blocks containing video data, at least one of the one or more data parameters relating to a throughput of a communications channel; and

select one or more asymmetric data compression ~~encoders~~ algorithms from among the plurality of different asymmetric data compression ~~encoders~~ algorithms based upon, at least in part, the determined one or more data parameters.

2. (Currently Amended) The system of claim 1 wherein at least one of the plurality of different asymmetric data compression ~~encoders~~ algorithms is an arithmetic encoder.

3. (Original) The system of claim 1, wherein the throughput of the communications channel comprises:

an actual throughput of the communications channel.

4. (Original) The system of claim 1, wherein the throughput of the communications channel comprises:

an estimated throughput of the communications channel.

5. (Original) The system of claim 1, wherein the throughput of the communications channel comprises:

an expected throughput of the communications channel.

6. (Currently Amended) The system of claim 1, wherein the one or more different asymmetric data compression ~~encoders~~ algorithms are configured to compress the one or more data blocks containing video data for different data transmission rates to produce a plurality of compressed data blocks.

7. (Currently Amended) The system of claim 1, wherein at least one of the plurality of different asymmetric data compression ~~encoders~~ algorithms comprises:

a lossless data compression ~~encoder~~ algorithm.

8. (Original) The system of claim 1, wherein at least one of the one or more data parameters comprises:

a resolution of the one or more data blocks containing video data.

9. (Original) The system of claim 1, wherein at least one of the one or more data parameters comprises:

a data transmission rate of the one or more data blocks containing video data.

10. (Original) The system of claim 1, wherein at least one of the one or more data parameters comprises:

an attribute or a value related to a format or a syntax of video data contained in the one or more data blocks containing video data.

11. (Currently Amended) The system of claim 1, wherein the selected one or more asymmetric data compression ~~encoders~~ algorithms comprise:

a content-dependent data compression ~~encoder~~ algorithm.

12. (Currently Amended) The system of claim 11, wherein the content-dependent data compression ~~encoder~~ algorithm comprises:

an arithmetic ~~encoder~~ algorithm.

13. (Currently Amended) The system of claim 1, wherein the selected one or more asymmetric data compression ~~encoders~~ algorithms are configured to perform compression in real-time or substantially real-time.

14. (Original) The system of claim 1, wherein the communications channel comprises:

a distributed network.

15. (Original) The system of claim 14, wherein the distributed network comprises:

the Internet.

16. (Currently Amended) The system of claim 1, wherein the selected one or more asymmetric data compression ~~encoders~~ algorithms are utilized to compress the one or more data blocks containing video data to create one or more compressed data blocks, and

wherein a descriptor is associated with the one or more compressed data blocks that indicates the selected one or more asymmetric data compression ~~encoders~~ algorithms.

17. (Currently Amended) The system of claim 1, wherein the selected one or more asymmetric data compression ~~encoders~~ algorithms are utilized to compress the one or more data blocks containing video data to create one or more compressed data blocks, and

wherein a descriptor indicating the selected one or more asymmetric data compression ~~encoders~~ algorithms is included with the one or more compressed data blocks.



18. (Original) The system of claim 1, wherein at least one of the one or more data parameters comprises:

a video data profile.

19. (Currently Amended) A system for compressing video data, comprising:  
a plurality of data compression ~~encoders~~ algorithms;

wherein at least one of the plurality of data compression ~~encoders~~ algorithms comprises an asymmetric data compression ~~encoder~~ algorithm, and

wherein at least one of the plurality of data compression ~~encoders~~ algorithms comprises an arithmetic data compression ~~encoder~~ algorithm,

wherein a first data compression ~~encoder~~ algorithm of the plurality of data compression ~~encoders~~ algorithms is configured to compress more bits per second of data than a second data compression ~~encoder~~ algorithm of the plurality of data compression ~~encoders~~ algorithms; and

one or more processors configured to:

determine one or more data parameters from one or more data blocks containing video data, at least one of the one or more data parameters relating to a throughput of a communications channel; and

select one or more data compression ~~encoders~~ algorithms from among the plurality of data compression ~~encoders~~ algorithms based upon, at least in part, the determined one or more data parameters.

20. (Original) The system of claim 19, wherein the throughput of the communications channel comprises:

an actual throughput of the communications channel.

21. (Original) The system of claim 19, wherein the throughput of the communications channel comprises:

an estimated or expected throughput of the communications channel.

22. (Currently Amended) The system of claim 19, wherein the selected one or more data compression ~~encoders~~ algorithms are configured to compress the one or more data blocks containing video data for different data transmission rates to produce a plurality of compressed data blocks.

23. (Currently Amended) The system of claim 19, wherein at least one of the plurality of data compression ~~encoders~~ algorithms comprises:

a lossless data compression ~~encoder~~ algorithm.

24. (Original) The system of claim 19, wherein at least one of the one or more data parameters are related to a resolution of the one or more data blocks containing video data.

25. (Original) The system of claim 19, wherein at least one of the one or more data parameters comprises:

a data transmission rate of the one or more data blocks containing video data.

26. (Original) The system of claim 19, wherein at least one of the one or more data parameters comprises:

an attribute or a value related to a format or a syntax of video data contained in the one or more data blocks containing video data.

27. (Currently Amended) The system of claim 19, wherein the selected one or more data compression ~~encoders~~ algorithms perform data compression in real-time or substantially real-time.

28. (Original) The system of claim 19, wherein the communications channel comprises:

a distributed network or the Internet.

29. (Currently Amended) The system of claim 19, wherein the one or more data blocks are compressed with the selected the one or more selected data compression ~~encoders~~ algorithms to create one or more compressed data blocks, and

wherein a descriptor is associated with the one or more compressed data blocks that indicates the selected data compression ~~encoder~~ algorithm.

30. (Original) The system of claim 19, wherein at least one of the one or more data parameters comprises:

a video data profile.

*Amendments to the Abstract*

1. Applicant respectfully requests the Abstract of the Disclosure as filed on October 6, 2015 be replaced as follows:

A system and method for compressing data is disclosed. The system and method include one or more of asymmetric data compression algorithms. A first asymmetric data compression algorithm of the one or more asymmetric data compression algorithms compresses data at a higher data compression rate than a second asymmetric data compression algorithm of the one or more asymmetric data compression algorithms. The system and method also include one or more processors that determine one or more data parameters from one or more data blocks and select one or more asymmetric data compression algorithms from among the one or more asymmetric data compression algorithms based upon, at least in part, the determined one or more data parameters.

***Remarks***

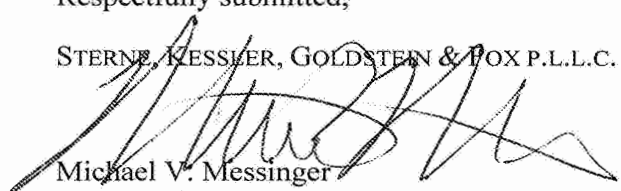
Upon entry of the foregoing amendment, claims 1-30 are pending in the application, with claims 1 and 19 being the independent claims. Claims 1, 2, 6, 7, 11-13, 16, 17, 19, 22, 23, 27, and 29 are sought to be amended. Applicant reserves the right to prosecute similar or broader claims, with respect to the amended claims, in the future. The Specification and the Abstract of the Disclosure as filed on June 8, 2015 are sought to be replaced. These changes are believed to introduce no new matter, and their entry is respectfully requested.

***Conclusion***

Prompt and favorable consideration of this Preliminary Amendment is respectfully requested. Applicant believes the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Respectfully submitted,

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

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

Date: December 11, 2015

1100 New York Avenue, N.W.  
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(202) 371-2600  
2739479\_1

Atty. Docket: 2855.005000C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: FALLON *et al.*

Applicant: Realtime Data, LLC

Application No.: 14/876,276

Filing Date: October 6, 2015

Title: **Video Data Compression Systems**

Confirmation No.: 3403

Art Unit: 2482

Examiner: To Be Assigned

Atty. Docket: 2855.005000C

**First Supplemental Information Disclosure Statement**

*Mail Stop Amendment*

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:

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,486)	Inter Partes Reexamination Certificate issued 10/10/2012
Inter Partes Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/000,466)	Inter Partes Reexamination Certificate issued 05/15/2012
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,453)	Terminated
Ex Parte Reexamination of U.S. Patent No. 6,601,104 (Control No. 90/009,428)	Ex Parte Reexamination Certificate issued 02/28/2012
Inter Partes Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/000,478)	Inter Partes Reexamination Certificate issued 10/04/2012
Inter Partes Reexamination of U.S. Patent No. 6,624,761 (Control No. 95/000,464)	Inter Partes Reexamination Certificate issued 06/12/2012
Inter Partes Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/000,479)	Inter Partes Reexamination Certificate issued 05/22/2012
Inter Partes Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Appeal to the Court of Appeals for the Federal Circuit dismissed 6/4/2015

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Decision on Appeal mailed 10/29/2015

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:

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	Inter Partes Reexamination Certificate issued 12/05/2013
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Inter Partes Reexamination Certificate issued 04/17/2015
Inter Partes Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	Inter Partes Reexamination Certificate issued 08/04/2014
Inter Partes Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	Inter Partes Reexamination Certificate issued 11/03/2014
Inter Partes Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	Inter Partes Reexamination Certificate issued 01/08/2014
Inter Partes Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	Inter Partes Reexamination Certificate issued 08/16/2013
Inter Partes Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	Inter Partes Reexamination Certificate issued 01/08/2014

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.



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)	Case Terminated 11/9/2012; 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)	Case Terminated 11/9/2012; 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) (transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Case Terminated 11/9/2012; 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
11	<i>Realtime Data, LLC d/b/a IXO v. Microsoft Corporation, et al.</i> , No. 4:14-cv-00827 (E.D. Texas)	Dismissed May 1, 2015
12	<i>Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al.</i> , No. 6:15-cv-00463 (E.D. Texas)	Amended Complaints for Patent Infringement filed September 14, 2015
13	<i>Realtime Data, LLC d/b/a IXO v. Dropbox, Inc.</i> , No. 6:15-cv-00465 (E.D. Texas)	Consolidated with Case No. 12
14	<i>Realtime Data, LLC d/b/a IXO v. Echostar Corporation, et al.</i> , No. 6:15-cv-00466 (E.D. Texas)	Consolidated with Case No. 12
15	<i>Realtime Data, LLC d/b/a IXO v. Riverbed Technology, Inc., et al.</i> , No. 6:15-cv-00468 (E.D. Texas)	Consolidated with Case No. 12
16	<i>Realtime Data, LLC d/b/a IXO v. BMC Software, Inc.</i> , No. 6:15-cv-00464 (E.D. Texas)	Terminated October 5, 2015
17	<i>Realtime Data, LLC d/b/a IXO v. Oracle America, Inc., et al.</i> , No. 6:15-cv-00467 (E.D. Texas)	Consolidated with Case No. 12
18	<i>Realtime Data, LLC d/b/a IXO v. SAP America, Inc., et al.</i> , No. 6:15-cv-00469 (E.D. Texas)	Consolidated with Case No. 12
19	<i>Realtime Data, LLC d/b/a IXO v. Teradata Corporation, et al.</i> , No. 6:15-cv-00470 (E.D. Texas)	Consolidated with Case No. 12
20	<i>Realtime Data, LLC d/b/a IXO v. Apple, Inc.</i> , No. 6:15-cv-00885 (E.D. Texas)	Complaint filed October 6, 2015

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.

Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Copies of documents **NPL1-NPL11** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2)(ii), no copy of the U.S. patent application publication cited as document **US1** on the attached IDS Form is submitted.

Additionally, a copy of unpublished U.S. application **NPL12**, cited on the attached IDS Form, 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 unpublished 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.

Applicant submits herewith an Office Action from the following co-pending, commonly-assigned U.S. Patent Application No.:

Document **NPL11** is a copy of a Final Office Action mailed on November 12, 2015, in the prosecution of co-pending, commonly-assigned U.S. Patent Application No. 14/305,692.

The identification of this Office Action is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application 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. 14/733,565, filed June 8, 2015 (now pending); 14/577,286, filed December 19, 2014 (now abandoned); 14/134,933, filed December 19, 2013 (now U.S. Patent No. 8,929,442); 14/033,245, filed September 20, 2013 (now U.S. Patent No. 8,934,535); 13/154,239, filed June 6,

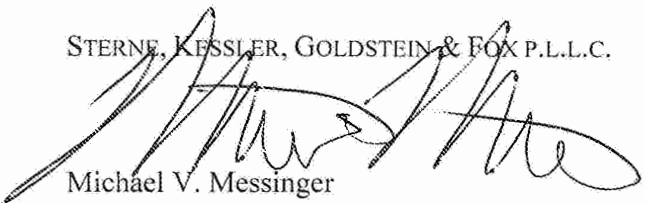
2011 (now U.S. Patent No. 8,553,759); 12/123,081, filed May 19, 2008 (now U.S. Patent No. 8,073,047); and 10/076,013, filed February 13, 2002 (now U.S. Patent No. 7,386,046) in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution 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: \_\_\_\_\_

December 11, 2015

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2743178\_1.DOCX



Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2482
		Examiner Name	To Be Assigned
		Attorney Docket Number	2855.005000C
Sheet	1	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL1	Plaintiff Realtime Data LLC d/b/a IXO's Opposition to Defendant's Motions to Dismiss Amended Complaints with associated attachments, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed October 19, 2015; 200 pages.	
	NPL2	Realtime Data LLC, d/b/a IXO's Answer to Hewlett-Packard Company and HP Enterprise Services, LLC's Counterclaims to Second Amended Complaint, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed October 19, 2015; 9 pages.	
	NPL3	Realtime Data LLC, d/b/a IXO's Answer to Oracle America, Inc.'s Counterclaims to Second Amended Complaint, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed October 19, 2015; 8 pages.	
	NPL4	Realtime Data LLC, d/b/a IXO's Answer to Teradata Operations, Inc.'s Counterclaims to First Amended Complaint, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed October 19, 2015; 9 pages.	
	NPL5	Defendants SAP America Inc., SyBase, Inc., Hewlett-Packard Company, HP Enterprise Services, LLC, Dell Inc., Echostar Corporation, Hughes Network Systems, LLC, Dropbox, Inc., and Riverbed Technology, Inc.'s Reply Brief on their Motion to Dismiss Amended Complaints, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed October 30, 2015; 15 pages.	
	NPL6	Reply in Support of Defendants Actian Corporation and Pervasive Software Inc.'s Motion to Dismiss First Amended Complaint, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed November 6, 2015; 14 pages.	
	NPL7	Plaintiff Realtime Data, LLC d/b/a IXO's Sur-Reply to SAP Defendants' Motions to Dismiss, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed November 9, 2015; 13 pages.	
	NPL8	Reply in Support of Defendants Actian Corporation and Pervasive Software Inc.'s Motion to Dismiss First Amended Complaint, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed November 10, 2015; 13 pages.	
	NPL9	Plaintiff Realtime Data LLC d/b/a IXO's Sur-Reply to SAP Defendants' Motions to Dismiss, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed November 10, 2015; 13 pages.	
	NPL10	Report and Recommendation of United States Magistrate Judge regarding Defendant Dell, Inc.'s Motion to Dismiss Failure to State a Claim pursuant to Fed. R. Civ. P. 12(b)(6), filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed November 30, 2015; 12 pages.	
NON PATENT LITERATURE DOCUMENTS			
Examiner Signature		Date Considered	

\*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.

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



## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	24340434
<b>Application Number:</b>	14876276
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	3403
<b>Title of Invention:</b>	Video Data Compression Systems
<b>First Named Inventor/Applicant Name:</b>	James J. FALLON
<b>Customer Number:</b>	26111
<b>Filer:</b>	Michael V. Messinger/Ann-Marie Edelin
<b>Filer Authorized By:</b>	Michael V. Messinger
<b>Attorney Docket Number:</b>	2855.005000C
<b>Receipt Date:</b>	11-DEC-2015
<b>Filing Date:</b>	06-OCT-2015
<b>Time Stamp:</b>	16:49:22
<b>Application Type:</b>	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		2855005000CPAM.pdf	10214164 <small>9dfc3b45de8fead4017bc2d102dba0f7ec9f0f82</small>	yes	22



Multipart Description/PDF files in .zip description					
Document Description			Start	End	
Miscellaneous Incoming Letter			1	1	
Preliminary Amendment			2	2	
Specification			3	3	
Claims			4	11	
Abstract			12	12	
Applicant Arguments/Remarks Made in an Amendment			13	13	
Transmittal Letter			14	19	
Information Disclosure Statement (IDS) Form (SB08)			20	22	
<b>Warnings:</b>					
<b>Information:</b>					
2	Non Patent Literature	NPL1_Realtime_Opposition_to_Motions_to_Dismiss_Complaints_10192015.pdf	7092754	no	200
			20a06510e9b2fe9b53ba09a31817352039f1d633		
<b>Warnings:</b>					
<b>Information:</b>					
3	Non Patent Literature	NPL2_Realtime_Answer_to_HP_Counterclaims_10192015.pdf	154461	no	9
			1c938061f7e85fd47814f05ee924135cb4b5ba06		
<b>Warnings:</b>					
<b>Information:</b>					
4	Non Patent Literature	NPL3_Realtime_Answer_to_Oracle_Counterclaims_10192015.pdf	151113	no	8
			348dda634816184b3847879d1c535f02e6f43533		
<b>Warnings:</b>					
<b>Information:</b>					
5	Non Patent Literature	NPL4_Realtime_Answer_to_Teradata_Counterclaims_10192015.pdf	155156	no	9
			4bc258ea7c7ddc710e6dcb3e734a723203750e7d		
<b>Warnings:</b>					
<b>Information:</b>					
6	Non Patent Literature	NPL5_Reply_Brief_on_Motion_to_Dismiss_10302015.pdf	214724	no	15
			4797986b07c7cca2043cbb047fc8f88fb3e898e0		

<b>Warnings:</b>					
<b>Information:</b>					
7	Non Patent Literature	NPL6_Reply_in_Support_of_Actian_Motion_to_Dismiss_11062015.pdf	219229 86b790fb5c7da633146662ee10cc45126e8dbba	no	14
<b>Warnings:</b>					
<b>Information:</b>					
8	Non Patent Literature	NPL7_Realtme_Surreply_to_Motion_to_Dismiss_11092015.pdf	146897 10435254b1eb81e831055be5a4233950b03c1cd8	no	13
<b>Warnings:</b>					
<b>Information:</b>					
9	Non Patent Literature	NPL8_Reply_Supporting_Motion_to_Dismiss_11102015.pdf	209851 720833a1eb715c3d0080e29955c2cf421c4f1f98	no	13
<b>Warnings:</b>					
<b>Information:</b>					
10	Non Patent Literature	NPL9_Realtme_Surreply_to_Motion_to_Dismiss_11102015.pdf	146903 6e0af53096cdb1bc6685d4c1b25ef928f8b1eae6	no	13
<b>Warnings:</b>					
<b>Information:</b>					
11	Non Patent Literature	NPL10_Report_and_Recommendation_Actian_11302015.pdf	192313 2d11a486a96880596218dc3696d9b220a0a9ff390	no	12
<b>Warnings:</b>					
<b>Information:</b>					
12	Non Patent Literature	NPL11_FOA_14305692_11122015.pdf	390330 2f9f03d9627cf11870cf99ef88accbbe063682	no	10
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			19287895		

**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.**

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



December 11, 2015

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

Confirmation No. 3403  
Art Unit 2482

Re: U.S. Utility Patent Application  
Appl. No. 14/876,276; Filing Date: October 6, 2015  
For: **Video Data Compression Systems**  
Inventors: FALLON *et al.*  
Our Ref: 2855.005000C

Commissioner:

Transmitted herewith for appropriate action are the following documents:

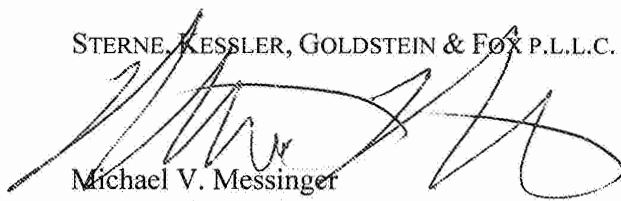
1. Preliminary Amendment Under 37 C.F.R. § 1.115;
2. First Supplemental Information Disclosure Statement;
3. Form PTO/SB/08a (1 sheet) listing 1 document (US1);
4. Form PTO/SB/08b (2 sheets) listing 12 documents (NPL1-NPL12); and
5. Copies of cited documents (NPL1-NPL11).

*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 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) 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/afe/wcf  
Enclosures

2742034\_1



Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	14/876,276
				Filing Date	October 6, 2015
				First Named Inventor	James J. FALLON
				Art Unit	2634
				Examiner Name	BOCURE, TESFALDET
Sheet	1	of	3	Attorney Docket Number	2855.005000C

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL1	Defendants' Objections to the Report and Recommendation of Magistrate Judge (ECF No. 184), filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed December 15, 2015; 13 pages.	
	NPL2	Plaintiff Realtime Data LLC's Response to SAP Defendants' Objections to Magistrate Judge Love's Report and Recommendation on Defendants' Motion to Dismiss, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed January 4, 2016; 11 pages.	
	NPL3	Petition for Inter Partes Review of Claim 48 of U.S. Patent No. 7,378,992, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00373 (P.T.A.B.), filed December 22, 2015; 69 pages.	
	NPL4	Petition for Inter Partes Review of Claims 1, 2, 4, 6, 11-16, 18-20, 22 of U.S. Patent No. 8,643,513, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00374 (P.T.A.B.), filed December 22, 2015; 68 pages.	
	NPL5	Petition for Inter Partes Review of Claims 1-2, 4, 10-12, 18-20 of U.S. Patent No. 7,415,530, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00375 (P.T.A.B.), filed December 22, 2015; 62 pages.	
	NPL6	Petition for Inter Partes Review of Claim 24 of U.S. Patent No. 7,415,530, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00376 (P.T.A.B.), filed December 22, 2015; 68 pages.	
	NPL7	Petition for Inter Partes Review of Claims 1-2, 9, 11, 21-22, 24-25 of U.S. Patent No. 9,116,908, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00377 (P.T.A.B.), filed December 22, 2015; 65 pages.	
	NPL8	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00373 (P.T.A.B.), filed December 22, 2015; 102 pages.	
	NPL9	HSU, et al., "Automatic Synthesis of Compression Techniques for Heterogeneous Files," Software - Practice and Experience, Vol. 25, Issue 10, October 1995; pp. 1097-1116.	
	NPL10	STORER, J., Data Compression Methods and Theory, Rockville, MD: Computer Science Press, 1988.	

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

Substitute for form 1449/PTO		<i>Complete if Known</i>	
<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, TESFALDET
		Attorney Docket Number	2855.005000C
Sheet	2	of	3

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL11	HUFFMAN, D., "A Method for the Construction of Minimum-Redundancy Codes," Proceedings of the I.R.E., September 1952, pp. 1098-1101.	
	NPL12	ZIV, et al., "A Universal Algorithm for Sequential Data Compression," IEEE Transactions on Information Theory, Vol. IT-23, No. 3, May 1977; 337-343.	
	NPL13	ZIV, et al., "Compression of Individual Sequences via Variable-Rate Coding," IEEE Transactions on Information Theory, Vol. IT-24, No. 5, September 1978; 530-536.	
	NPL14	First Amended Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC, et al., Case No. 6:10-cv-00493-LED (E.D. Texas), filed April 11, 2011; 15 pages.	
	NPL15	Joint Motion to Stay All Pending Deadlines Between Plaintiff Realtime Data, LLC d/b/a IXO and Defendant Cellco Partnership d/b/a Verizon Wireless, filed in Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC, et al., Case No. 6:10-cv-00493-LED (E.D. Texas)	
	NPL16	Joint Motion for Dismissal with Prejudice of Defendant Cellco Partnership d/b/a Verizon Wireless, filed in Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC, et al., Case No. 6:10-cv-00493-LED (E.D. Texas), filed October 17, 2012; 2 pages.	
	NPL17	Order regarding Joint Motion for Dismissal with Prejudice, filed in Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC, et al., Case No. 6:10-cv-00493-LED (E.D. Texas), filed October 19, 2012; 1 page.	
	NPL18	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00374 (P.T.A.B.), filed December 22, 2015; 118 pages.	
	NPL19	Submission Under 37 C.F.R. 1.114(c) and Preliminary Amendment Under 37 C.F.R. 1.115, filed October 10, 2013, in the prosecution of U.S. Patent Appl. No. 13/154,211; 10 pages.	
	NPL20	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00375 (P.T.A.B.), filed December 28, 2015; 82 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.

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

Substitute for form 1449/PTO		<i>Complete if Known</i>	
<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, TESFALDET
		Attorney Docket Number	2855.005000C
Sheet	3 of 3		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL21	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00376 (P.T.A.B.), filed December 28, 2015; 86 pages.	
	NPL22	Definition of "bandwidth", Random House Computer & Internet Dictionary, Third Edition, New York: Random House, 1999; p. 45.	
	NPL23	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00377 (P.T.A.B.), filed December 28, 2015; 83 pages.	
	NPL24	Third Party Requester's Comments to Patent Owner's Response of June 25, 2012 Pursuant to 37 C.F.R. 1.947, Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, filed July 25, 2012; 21 pages.	
	NPL25	Defendant Apple, Inc.'s Answer and Affirmative Defenses to Plaintiff's Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Apple, Inc., Case No. 6:15-cv-RWS-JDL (E.D. Texas), filed December 17, 2015; 10 pages.	

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Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.



## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	24589543
<b>Application Number:</b>	14876276
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	3403
<b>Title of Invention:</b>	Video Data Compression Systems
<b>First Named Inventor/Applicant Name:</b>	James J. FALLON
<b>Customer Number:</b>	26111
<b>Filer:</b>	Michael V. Messinger/William Flanigen
<b>Filer Authorized By:</b>	Michael V. Messinger
<b>Attorney Docket Number:</b>	2855.005000C
<b>Receipt Date:</b>	11-JAN-2016
<b>Filing Date:</b>	06-OCT-2015
<b>Time Stamp:</b>	17:18:29
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		2855005000C_2SIDS.pdf	1730633 <small>1c3e8b70e89f09efa7d0af2aec9657510eee6c2d</small>	yes	12

Multipart Description/PDF files in .zip description					
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Miscellaneous Incoming Letter			1	1	
Transmittal Letter			2	8	
Information Disclosure Statement (IDS) Form (SB08)			9	12	
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<b>Information:</b>	
<b>Total Files Size (in bytes):</b>	40907969
<p><b>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.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>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.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>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.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>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.</b></p>	

MICHAEL V. MESSINGER  
DIRECTOR  
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MIKEM@SKGF.COM



January 11, 2016

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

Confirmation No. 3403  
Art Unit 2634  
Attn: Mail Stop Amendment

Re: U.S. Utility Patent Application  
Application No. 14/876,276; Filing Date: October 6, 2015  
For: **Video Data Compression Systems**  
Inventors: FALLON *et al.*  
Our Ref: 2855.005000C

Commissioner:

Transmitted herewith for appropriate action are the following documents:

1. Second Supplemental Information Disclosure Statement;
2. Form PTO/SB/08a (1 sheet) listing 1 document (US1);
3. Form PTO/SB/08b (3 sheets) listing 25 documents (NPL1-NPL25); and
4. Copies of cited documents (NPL1-NPL25).

***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.

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.

A handwritten signature in black ink, appearing to read 'Michael V. Messinger', written over a faint circular stamp or watermark.

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

MVM/MRM/wcf  
Enclosures

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: FALLON *et al.*

Applicant: Realtime Data, LLC

Application No.: 14/876,276

Filing Date: October 6, 2015

Title: **Video Data Compression Systems**

Confirmation No.: 3403

Art Unit: 2634

Examiner: BOCURE, TESHALDET

Atty. Docket: 2855.005000C

**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

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:

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

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Appeal to the Court of Appeals for the Federal Circuit dismissed 6/4/2015
Inter Partes Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Decision on Appeal mailed 10/29/2015

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

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	Inter Partes Reexamination Certificate issued 12/05/2013
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Inter Partes Reexamination Certificate issued 04/17/2015
Inter Partes Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	Inter Partes Reexamination Certificate issued 08/04/2014
Inter Partes Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	Inter Partes Reexamination Certificate issued 11/03/2014
Inter Partes Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	Inter Partes Reexamination Certificate issued 01/08/2014
Inter Partes Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	Inter Partes Reexamination Certificate issued 08/16/2013
Inter Partes Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	Inter Partes Reexamination Certificate issued 01/08/2014

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.

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

<b>Proceeding</b>	<b>Patent</b>	<b>Status</b>
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00373	7,378,992	Petition filed December 22, 2015
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00374	8,643,513	Petition filed December 22, 2015
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00375	7,415,530	Petition filed December 28, 2015
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00376	7,415,530	Petition filed December 28, 2015
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00377	9,116,908	Petition filed December 28, 2015

Applicant invites the Examiner to review the petitions for *inter partes* review and any other papers in the above-identified *inter partes* review proceedings. If the Examiner is unable to obtain copies of papers in any *inter partes* review 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 *inter partes* reviews are listed as documents **US1** and **NPL3-NPL24**.

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)	Case Terminated 11/9/2012; 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)	Case Terminated 11/9/2012; 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) (transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Case Terminated 11/9/2012; 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
11	<i>Realtime Data, LLC d/b/a IXO v. Microsoft Corporation, et al.</i> , No. 4:14-cv-00827 (E.D. Texas)	Dismissed May 1, 2015
12	<i>Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al.</i> , No. 6:15-cv-00463 (E.D. Texas)	Amended Complaints for Patent Infringement filed September 14, 2015
13	<i>Realtime Data, LLC d/b/a IXO v. Dropbox, Inc.</i> , No. 6:15-cv-00465 (E.D. Texas)	Consolidated with Case No. 12
14	<i>Realtime Data, LLC d/b/a IXO v. Echostar Corporation, et al.</i> , No. 6:15-cv-00466 (E.D. Texas)	Consolidated with Case No. 12
15	<i>Realtime Data, LLC d/b/a IXO v. Riverbed Technology, Inc., et al.</i> , No. 6:15-cv-00468 (E.D. Texas)	Consolidated with Case No. 12
16	<i>Realtime Data, LLC d/b/a IXO v. BMC Software, Inc.</i> , No. 6:15-cv-00464 (E.D. Texas)	Terminated October 5, 2015
17	<i>Realtime Data, LLC d/b/a IXO v. Oracle America, Inc., et al.</i> , No. 6:15-cv-00467 (E.D. Texas)	Consolidated with Case No. 12
18	<i>Realtime Data, LLC d/b/a IXO v. SAP America, Inc., et al.</i> , No. 6:15-cv-00469 (E.D. Texas)	Consolidated with Case No. 12
19	<i>Realtime Data, LLC d/b/a IXO v. Teradata Corporation, et al.</i> , No. 6:15-cv-00470 (E.D. Texas)	Consolidated with Case No. 12
20	<i>Realtime Data, LLC d/b/a IXO v. Apple, Inc.</i> , No. 6:15-cv-00885 (E.D. Texas)	Complaint filed October 6, 2015

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

Atty. Dkt. No. 2855.005000C

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.

Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Copies of documents **NPL1-NPL25** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2)(ii), no copy of the U.S. patent cited as document **US1** on the attached IDS Form is submitted.

It is expected that the examiner will review the prosecution and cited art in the parent application nos. 14/733,565, filed June 8, 2015 (now pending); 14/577,286, filed December 19, 2014 (now abandoned); 14/134,933, filed December 19, 2013 (now U.S. Patent No. 8,929,442); 14/033,245, filed September 20, 2013 (now U.S. Patent No. 8,934,535); 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: January 11, 2016

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/876,276	10/06/2015	James J. FALLON	3421.005000C	3403

26111                      7590                      01/28/2016  
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 NEW YORK AVENUE, N.W.  
WASHINGTON, DC 20005

EXAMINER
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BOCURE, TESFALDET

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

2634

MAIL DATE	DELIVERY MODE
-----------	---------------

01/28/2016

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.

<b>Office Action Summary</b>	<b>Application No.</b> 14/876,276	<b>Applicant(s)</b> FALLON ET AL.	
	<b>Examiner</b> TESFALDET BOCURE	<b>Art Unit</b> 2634	<b>AIA (First Inventor to File) Status</b> No

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

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1)  Responsive to communication(s) filed on 10/06/2015 and Pre. Amendment of 12/11/2016.  
 A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on \_\_\_\_\_.
- 2a)  This action is **FINAL**.                      2b)  This action is non-final.
- 3)  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.
- 4)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims\***

- 5)  Claim(s) 1-30 is/are pending in the application.  
5a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 6)  Claim(s) \_\_\_\_\_ is/are allowed.
- 7)  Claim(s) 1-30 is/are rejected.
- 8)  Claim(s) \_\_\_\_\_ is/are objected to.
- 9)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

\* If any claims have been determined allowable, 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](http://www.uspto.gov/patents/init_events/pph/index.jsp) or send an inquiry to [PPHfeedback@uspto.gov](mailto:PPHfeedback@uspto.gov).

**Application Papers**

- 10)  The specification is objected to by the Examiner.
- 11)  The drawing(s) filed on 10/06/2015 is/are: a)  accepted or b)  objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

**Priority under 35 U.S.C. § 119**

- 12)  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)).

\*\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1)  Notice of References Cited (PTO-892)
- 2)  Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)  
Paper No(s)/Mail Date 10/30/15, 12/11/15 & 1/11/16.
- 3)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 4)  Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. The present application is being examined under the pre-AIA first to invent provisions.
2. This office action (First Action on the Merit) is in response to the application as originally filed on 10/06/2015 and the preliminary amendment filed on 12/11/2015. The pending claims 1-30 are fully examined as shown in the detail action below.

### ***Information Disclosure Statement***

3. The information disclosure statements (IDSs) submitted on 10/30/2015 (four different communications filed separately on the same date), 12/11/2015 (two different communications filed separately on the same date) and 01/11/2016 (two different communications filed separately on the same date) are 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 are the initialed copies of the IDSs and the noted correspondences regarding the IDSs.

### ***Drawings***

4. The drawings were received on 08/08/2015. These drawings are accepted by the Examiner .



### **Specification**

5. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. ***The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.***

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

It seems the disclosure is describing the claimed subject matter of the parent application not the claimed and disclosed invention of the instant application, therefore, should be corrected to reflect to the current disclosed invention.

6. The disclosure is objected to because of the following informalities: the parent application S/N 14/577,286 disclosed in ¶ [0001], line 2, should be updated as--- now abandoned---

Appropriate correction is required.

### **Claim Objections**

7. Claims 1-30 are objected to because of the following informalities: Is the claimed "video data" in claim 1, line 9 and claim 19, line 13, the same as the "video data" claimed in the preamble of the claims? If so, the once in lines 9 and 13 of claims 1 and 19 respectively should be amended to read as---said video data---. Otherwise as

claimed, it reads that there two deferent videos, the once in the preamble and the once in lines 9 and 13 of claims 1 and 19 respectively. Appropriate correction is required.

Claims 2-18 and 20-30 are inherently objected as being dependent on the objected base claims 1 and 19.

***Claim Rejections - 35 USC § 112***

8. The following is a quotation of 35 U.S.C. 112(b):  
(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:  
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

9. Claims 1-30 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

Claims 1 and 19 are incomplete such that the claimed limitations in both claims calls for selecting one or more data compression algorithms without using the selected algorithm to compress the video data. Examiner suggest to add “compressing the video data using the selected algorithm” or any similar limitation as appropriate.

Claims 2-18 and 20-30 are inherently rejected as being dependent on the rejected base claims.

***Allowable Subject Matter***

10. Claims 1 and 19 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), 2nd paragraph, set forth in this Office action.

11. Claims 2-18 and 20-30 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

***Conclusion***

12. 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 8:30am-to-5:00pm.

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



Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, TESFALDET
Sheet	1	of	3
		Attorney Docket Number	2855.005000C

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL1	Defendants' Objections to the Report and Recommendation of Magistrate Judge (ECF No. 184), filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed December 15, 2015; 13 pages.	
	NPL2	Plaintiff Realtime Data LLC's Response to SAP Defendants' Objections to Magistrate Judge Love's Report and Recommendation on Defendants' Motion to Dismiss, filed in Realtime Data, LLC d/b/a IXO v. Action Corporation, et al., Case No. 6:15-cv-00463-RWS-JDL (E.D. Texas), filed January 4, 2016; 11 pages.	
	NPL3	Petition for Inter Partes Review of Claim 48 of U.S. Patent No. 7,378,992, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00373 (P.T.A.B.), filed December 22, 2015; 69 pages.	
	NPL4	Petition for Inter Partes Review of Claims 1, 2, 4, 6, 11-16, 18-20, 22 of U.S. Patent No. 8,643,513, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00374 (P.T.A.B.), filed December 22, 2015; 68 pages.	
	NPL5	Petition for Inter Partes Review of Claims 1-2, 4, 10-12, 18-20 of U.S. Patent No. 7,415,530, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00375 (P.T.A.B.), filed December 22, 2015; 62 pages.	
	NPL6	Petition for Inter Partes Review of Claim 24 of U.S. Patent No. 7,415,530, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00376 (P.T.A.B.), filed December 22, 2015; 68 pages.	
	NPL7	Petition for Inter Partes Review of Claims 1-2, 9, 11, 21-22, 24-25 of U.S. Patent No. 9,116,908, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00377 (P.T.A.B.), filed December 22, 2015; 65 pages.	
	NPL8	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00373 (P.T.A.B.), filed December 22, 2015; 102 pages.	
	NPL9	HSU, et al., "Automatic Synthesis of Compression Techniques for Heterogeneous Files," Software - Practice and Experience, Vol. 25, Issue 10, October 1995; pp. 1097-1116.	
	NPL10	STORER, J., Data Compression Methods and Theory, Rockville, MD: Computer Science Press, 1988.	

Examiner Signature	/Teskaldet Bocure/	Date Considered	01/23/2016
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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.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> 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		<i>Complete if Known</i>	
<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, TESFALDET
		Attorney Docket Number	2855.005000C
Sheet	2	of	3

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL11	HUFFMAN, D., "A Method for the Construction of Minimum-Redundancy Codes," Proceedings of the I.R.E., September 1952, pp. 1098-1101.	
	NPL12	ZIV, et al., "A Universal Algorithm for Sequential Data Compression," IEEE Transactions on Information Theory, Vol. IT-23, No. 3, May 1977; 337-343.	
	NPL13	ZIV, et al., "Compression of Individual Sequences via Variable-Rate Coding," IEEE Transactions on Information Theory, Vol. IT-24, No. 5, September 1978; 530-536.	
	NPL14	First Amended Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC, et al., Case No. 6:10-cv-00493-LED (E.D. Texas), filed April 11, 2011; 15 pages.	
	NPL15	Joint Motion to Stay All Pending Deadlines Between Plaintiff Realtime Data, LLC d/b/a IXO and Defendant Cellco Partnership d/b/a Verizon Wireless, filed in Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC, et al., Case No. 6:10-cv-00493-LED (E.D. Texas)	
	NPL16	Joint Motion for Dismissal with Prejudice of Defendant Cellco Partnership d/b/a Verizon Wireless, filed in Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC, et al., Case No. 6:10-cv-00493-LED (E.D. Texas), filed October 17, 2012; 2 pages.	
	NPL17	Order regarding Joint Motion for Dismissal with Prejudice, filed in Realtime Data, LLC d/b/a IXO v. MetroPCS Texas, LLC, et al., Case No. 6:10-cv-00493-LED (E.D. Texas), filed October 19, 2012; 1 page.	
	NPL18	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00374 (P.T.A.B.), filed December 22, 2015; 118 pages.	
	NPL19	Submission Under 37 C.F.R. 1.114(c) and Preliminary Amendment Under 37 C.F.R. 1.115, filed October 10, 2013, in the prosecution of U.S. Patent Appl. No. 13/154,211; 10 pages.	
	NPL20	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00375 (P.T.A.B.), filed December 28, 2015; 82 pages.	

Examiner Signature	/Tefaldet Bocure/	Date Considered	01/23/2016
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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.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> 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		<i>Complete if Known</i>	
<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	14/876,276
		Filing Date	October 6, 2015
		First Named Inventor	James J. FALLON
		Art Unit	2634
		Examiner Name	BOCURE, TESFALDET
Sheet	3	of	3
		Attorney Docket Number	2855.005000C

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	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 <sup>2</sup>
	NPL21	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00376 (P.T.A.B.), filed December 28, 2015; 86 pages.	
	NPL22	Definition of "bandwidth", Random House Computer & Internet Dictionary, Third Edition, New York: Random House, 1999; p. 45.	
	NPL23	Declaration of Professor James A. Storer, filed in Oracle America, Inc. v. Realtime Data, LLC, Case No. IPR2016-00377 (P.T.A.B.), filed December 28, 2015; 83 pages.	
	NPL24	Third Party Requester's Comments to Patent Owner's Response of June 25, 2012 Pursuant to 37 C.F.R. 1.947, Inter Partes Reexamination of U.S. Patent No. 7,378,992, Control No. 95/001,928, filed July 25, 2012; 21 pages.	
	NPL25	Defendant Apple, Inc.'s Answer and Affirmative Defenses to Plaintiff's Complaint for Patent Infringement, filed in Realtime Data, LLC d/b/a IXO v. Apple, Inc., Case No. 6:15-cv-RWS-JDL (E.D. Texas), filed December 17, 2015; 10 pages.	

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Examiner Signature	/Teskaldet Bocure/	Date Considered	01/23/2016
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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.

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



CONSIDERED: /T.B./

/T.B./ 01/23/2016

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: FALLON *et al.*

Applicant: Realtime Data, LLC

Application No.: 14/876,276

Filing Date: October 6, 2015

Title: **Video Data Compression Systems**

Confirmation No.: 3403

Art Unit: 2634

Examiner: BOCURE, TESHALDET

Atty. Docket: 2855.005000C

**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

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:

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

/Teshaldet Bocure/

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

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Appeal to the Court of Appeals for the Federal Circuit dismissed 6/4/2015
Inter Partes Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Decision on Appeal mailed 10/29/2015

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

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	Inter Partes Reexamination Certificate issued 12/05/2013
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Inter Partes Reexamination Certificate issued 04/17/2015
Inter Partes Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	Inter Partes Reexamination Certificate issued 08/04/2014
Inter Partes Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	Inter Partes Reexamination Certificate issued 11/03/2014
Inter Partes Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	Inter Partes Reexamination Certificate issued 01/08/2014
Inter Partes Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	Inter Partes Reexamination Certificate issued 08/16/2013
Inter Partes Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	Inter Partes Reexamination Certificate issued 01/08/2014

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

/Tsfaldet Bocure/

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Atty. Dkt. No. 2855,005000C

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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.

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

Proceeding	Patent	Status
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00373	7,378,992	Petition filed December 22, 2015
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00374	8,643,513	Petition filed December 22, 2015
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00375	7,415,530	Petition filed December 28, 2015
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00376	7,415,530	Petition filed December 28, 2015
<i>Oracle America, Inc. v. Realtime Data, LLC</i> , IPR2016-00377	9,116,908	Petition filed December 28, 2015

Applicant invites the Examiner to review the petitions for *inter partes* review and any other papers in the above-identified *inter partes* review proceedings. If the Examiner is unable to obtain copies of papers in any *inter partes* review 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 *inter partes* reviews are listed as documents **US1** and **NPL3-NPL24**.

/Tsfaldet Bocure/

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Atty. Dkt. No. 2855.005000C

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

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)	Case Terminated 11/9/2012; 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)	Case Terminated 11/9/2012; 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) (transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Case Terminated 11/9/2012; 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

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Atty. Dkt. No. 2855.005000C

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

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
11	<i>Realtime Data, LLC d/b/a IXO v. Microsoft Corporation, et al.</i> , No. 4:14-cv-00827 (E.D. Texas)	Dismissed May 1, 2015
12	<i>Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al.</i> , No. 6:15-cv-00463 (E.D. Texas)	Amended Complaints for Patent Infringement filed September 14, 2015
13	<i>Realtime Data, LLC d/b/a IXO v. Dropbox, Inc.</i> , No. 6:15-cv-00465 (E.D. Texas)	Consolidated with Case No. 12
14	<i>Realtime Data, LLC d/b/a IXO v. Echostar Corporation, et al.</i> , No. 6:15-cv-00466 (E.D. Texas)	Consolidated with Case No. 12
15	<i>Realtime Data, LLC d/b/a IXO v. Riverbed Technology, Inc., et al.</i> , No. 6:15-cv-00468 (E.D. Texas)	Consolidated with Case No. 12
16	<i>Realtime Data, LLC d/b/a IXO v. BMC Software, Inc.</i> , No. 6:15-cv-00464 (E.D. Texas)	Terminated October 5, 2015
17	<i>Realtime Data, LLC d/b/a IXO v. Oracle America, Inc., et al.</i> , No. 6:15-cv-00467 (E.D. Texas)	Consolidated with Case No. 12
18	<i>Realtime Data, LLC d/b/a IXO v. SAP America, Inc., et al.</i> , No. 6:15-cv-00469 (E.D. Texas)	Consolidated with Case No. 12
19	<i>Realtime Data, LLC d/b/a IXO v. Teradata Corporation, et al.</i> , No. 6:15-cv-00470 (E.D. Texas)	Consolidated with Case No. 12
20	<i>Realtime Data, LLC d/b/a IXO v. Apple, Inc.</i> , No. 6:15-cv-00885 (E.D. Texas)	Complaint filed October 6, 2015

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

/Tsfaldet Bocure/

01/23/2016 Atty. Dkt. No. 2855.005000C

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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.

Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Copies of documents **NPL1-NPL25** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2)(ii), no copy of the U.S. patent cited as document **US1** on the attached IDS Form is submitted.

It is expected that the examiner will review the prosecution and cited art in the parent application nos. 14/733,565, filed June 8, 2015 (now pending); 14/577,286, filed December 19, 2014 (now abandoned); 14/134,933, filed December 19, 2013 (now U.S. Patent No. 8,929,442); 14/033,245, filed September 20, 2013 (now U.S. Patent No. 8,934,535); 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.

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Atty. Dkt. No. 2855.005000C

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

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: January 11, 2016

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

<b>Index of Claims</b>  	<b>Application/Control No.</b> 14876276	<b>Applicant(s)/Patent Under Reexamination</b> FALLON ET AL.
	<b>Examiner</b> TESFALDET BOCURE	<b>Art Unit</b> 2634

✓	<b>Rejected</b>	-	<b>Cancelled</b>	N	<b>Non-Elected</b>	A	<b>Appeal</b>
=	<b>Allowed</b>	÷	<b>Restricted</b>	I	<b>Interference</b>	O	<b>Objected</b>

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

CLAIM		DATE									
Final	Original	01/23/2016									
	1	✓									
	2	✓									
	3	✓									
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	30	✓									



CONSIDERED: /T.B./

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: FALLON *et al.*

Applicant: Realtime Data, LLC

Application No.: 14/876,276

Filing Date: October 6, 2015

Title: Video Data Compression Systems

Confirmation No.: 3403

Art Unit: 2668

Examiner: To Be Assigned

Atty. Docket: 2855.005000C

Information Disclosure Statement

*Mail Stop Amendment*

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
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,486)	Inter Partes Reexamination Certificate issued 10/10/2012
Inter Partes Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/000,466)	Inter Partes Reexamination Certificate issued 05/15/2012
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/000,453)	Terminated
Ex Parte Reexamination of U.S. Patent No. 6,601,104 (Control No. 90/009,428)	Ex Parte Reexamination Certificate issued 02/28/2012
Inter Partes Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/000,478)	Inter Partes Reexamination Certificate issued 10/04/2012
Inter Partes Reexamination of U.S. Patent No. 6,624,761 (Control No. 95/000,464)	Inter Partes Reexamination Certificate issued 06/12/2012
Inter Partes Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/000,479)	Inter Partes Reexamination Certificate issued 05/22/2012
Inter Partes Reexamination of U.S. Patent No. 7,714,747 (Control No. 95/001,517)	Appeal to the Court of Appeals for the Federal Circuit dismissed 6/4/2015

/Tsfaldet Bocure/

01/23/2016

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

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,417,568 (Control No. 95/001,533)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,777,651 (Control No. 95/001,581)	Decision on Appeal mailed 10/29/2015
Inter Partes Reexamination of U.S. Patent No. 7,400,274 (Control No. 95/001,544)	Decision on Appeal mailed 10/29/2015

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:

<b>Proceeding</b>	<b>Status</b>
Inter Partes Reexamination of U.S. Patent No. 7,321,937 (Control No. 95/001,922)	Inter Partes Reexamination Certificate issued 12/05/2013
Inter Partes Reexamination of U.S. Patent No. 6,604,158 (Control No. 95/001,923)	Inter Partes Reexamination Certificate issued 04/17/2015
Inter Partes Reexamination of U.S. Patent No. 7,352,300 (Control No. 95/001,924)	Inter Partes Reexamination Certificate issued 08/04/2014
Inter Partes Reexamination of U.S. Patent No. 7,395,345 (Control No. 95/001,925)	Inter Partes Reexamination Certificate issued 11/03/2014
Inter Partes Reexamination of U.S. Patent No. 7,161,506 (Control No. 95/001,926)	Inter Partes Reexamination Certificate issued 01/08/2014
Inter Partes Reexamination of U.S. Patent No. 7,415,530 (Control No. 95/001,927)	Inter Partes Reexamination Certificate issued 08/16/2013
Inter Partes Reexamination of U.S. Patent No. 7,378,992 (Control No. 95/001,928)	Inter Partes Reexamination Certificate issued 01/08/2014

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 reexaminations are listed as documents NPL670-NPL840 and NPL875-NPL922.

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

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)	Case Terminated 11/9/2012; 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)	Case Terminated 11/9/2012; 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) (transferred from E.D. Texas; No. 6:09-cv-00327-LED)	Case Terminated 11/9/2012; 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

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

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
11	<i>Realtime Data, LLC d/b/a IXO v. Microsoft Corporation, et al.</i> , No. 4:14-cv-00827 (E.D. Texas)	Dismissed May 1, 2015
12	<i>Realtime Data, LLC d/b/a IXO v. Actian Corporation, et al.</i> , No. 6:15-cv-00463 (E.D. Texas)	Amended Complaints for Patent Infringement filed September 14, 2015
13	<i>Realtime Data, LLC d/b/a IXO v. Dropbox, Inc.</i> , No. 6:15-cv-00465 (E.D. Texas)	Consolidated with Case No. 12
14	<i>Realtime Data, LLC d/b/a IXO v. Echostar Corporation, et al.</i> , No. 6:15-cv-00466 (E.D. Texas)	Consolidated with Case No. 12
15	<i>Realtime Data, LLC d/b/a IXO v. Riverbed Technology, Inc., et al.</i> , No. 6:15-cv-00468 (E.D. Texas)	Consolidated with Case No. 12
16	<i>Realtime Data, LLC d/b/a IXO v. BMC Software, Inc.</i> , No. 6:15-cv-00464 (E.D. Texas)	Terminated October 5, 2015
17	<i>Realtime Data, LLC d/b/a IXO v. Oracle America, Inc., et al.</i> , No. 6:15-cv-00467 (E.D. Texas)	Consolidated with Case No. 12
18	<i>Realtime Data, LLC d/b/a IXO v. SAP America, Inc., et al.</i> , No. 6:15-cv-00469 (E.D. Texas)	Consolidated with Case No. 12
19	<i>Realtime Data, LLC d/b/a IXO v. Teradata Corporation, et al.</i> , No. 6:15-cv-00470 (E.D. Texas)	Consolidated with Case No. 12
20	<i>Realtime Data, LLC d/b/a IXO v. Apple, Inc.</i> , No. 6:15-cv-00885 (E.D. Texas)	Complaint filed October 6, 2015

Court dockets for litigations are submitted herewith as documents **NPL431**, **NPL566-572**, and **NPL948-NPL957**.

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.

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/Tsfaldet Bocure/

Atty. Dkt. No. 2855.005000C

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

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.

Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

Concise explanations of the relevance of the non-English language documents appear below in accordance with 37 C.F.R. § 1.98(a)(3).

Document **FP1** (DE 4127518) is in the German language. An English-language abstract is as follows:

The magnetic disc storage device is connected to a host processor (5) and contains at least one magnetic disc for the storage of data with system startup data in a startup data region, a buffer memory (2) for data to be transferred from the disc/host computer and a data communication device (1). The data communication device transfers the startup data from the startup data region into the buffer memory at the time of system startup. The storage device can be used as an external memory device. **ADVANTAGE** - Enables very short startup times to be achieved for memory systems.

Document **FP12** (JP 6051989) is in the Japanese language. An English-language abstract is as follows:

**PURPOSE:** To perform the fast load processing of an operating system without performing the read processing of volume information for the whole device in spite of the presence/absence of a restore command in the initial load processing of the operating system.

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CONSTITUTION: This system is provided with the device name instruction means 2 of a system storage file volume which instructs a volume in which a system storage file is stored in a device name by a REST command to instruct the generation of a system residence volume, the acquiring means 3 of the correspondence table of the device name with a channel number, a channel number acquiring means 4 to acquire the channel number from the device name of the volume, a restore processing means 5 which performs the generation processing of the system residence volume based on the device name and the channel number, and a device name/channel number correspondence table 6.

Document **FP13** (JP 9188009) is in the Japanese language. An English-language abstract is as follows:

**PROBLEM TO BE SOLVED:** To provide a printer capable of enhancing a compression ratio by electing a compression method fitted to data from a plurality of compression methods to perform compression and the data compressing method in the printer.

**SOLUTION:** A laser beam printer is equipped with an ROM 4 storing a plurality of preset compression methods and a CPU 3 having a data kind discriminating function analyzing the command of received data and discriminating the kind of data on the basis of the analytical result, a compression method selecting function selecting the compression method fitted to the kind of the discriminated data from a plurality of the compression methods stored in the ROM 4 and data compressing function compressing the data on the basis of the selected compression method.

Document **FP14** (JP 11149376) is in the Japanese language. An English-language abstract is as follows:

**PROBLEM TO BE SOLVED:** To provide a more flexible software development environment by realizing the same function with a circuit mounting an Initial Program Loader ROM in circuit constitution of a smaller scale.

**SOLUTION:** A BOOT loader circuit is provided with a BOOT detection part 4 for detecting whether a system becomes a BOOT mode or not, an address decoder 5 for generating a selection signal for each device, switch parts 6 and 7 for selecting ROM and the external

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input interface and a CPU stop control part 8 for instructing the stop of CPU various conditions.

Document **FP18** (WO 95/29437 A1) is in the Japanese language. An English-language abstract is as follows:

A differential value and compressibility calculating means (76) of a data processing means (71) of a data transmitter calculates the actual differential value and the actual compressibility based on the data length of uncompressed data received from a data outputting source (2) through an uncompressed data receiving means (74) and the data length of compressed data from a data compressing circuit (67). When the actual differential value is equal to or larger than a set differential value alpha, at the same time, the actual compressibility is equal to or larger than a set compressibility beta, the means (76) transmits the compressed data to a destination (3) through a transfer-requested data outputting means (79), and, in the other cases, transmits the uncompressed data to the destination (3). Therefore, such a phenomenon that the area occupied by compressed data in the memory area in the destination (3) is almost equal to the area occupied by uncompressed data in the memory area can be prevented, and useless data expansion can be avoided at the destination (3).

Document **FP27** (JP 04-241681) is in the Japanese language. An English-language abstract is as follows:

**PURPOSE:** To provide a means which can make optimum compression on data of any kinds of data pattern and can improve the data compressing efficiency.

**CONSTITUTION:** At the time of storing data, the data are compressed by means of compression circuits 11 and 12 of plural data compressing systems and counted results of the byte numbers of the compressed data are compared with each other after the byte numbers are counted. Then the compressed data of the smallest amount are selected and stored in a storing section 2 after adding a code indicating the compressing system. At the time of reading out the recorded data, the data are restored to the original data by selecting

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the corresponding restoration circuit 31 or 32 in accordance with the added code indicating the compressing system.

Copies of documents **NPL874**, **NPL920-NPL922**, and **NPL948-NPL958** are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2)(ii), no copies of the U.S. patents and patent application publications cited as documents **US1-US624** on the attached IDS Forms are submitted.

Additionally, copies of unpublished U.S. applications **NPL959-NPL962**, cited on the attached IDS Forms, are 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 unpublished 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."

Copies of documents **FP1-FP27**, **NPL1-NPL873**, and **NPL875-NPL919**, and **NPL923-NPL947** were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application Nos. 14/733,565, filed June 8, 2015 (now pending); 14/577,286, filed December 19, 2014 (now abandoned); 14/134,933, filed December 19, 2013 (now U.S. Patent No. 8,929,442); 14/033,245, filed September 20, 2013 (now U.S. Patent No. 8,934,535); 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/or 10/076,013, filed February 13, 2002 (now U.S. Patent No. 7,386,046), which are relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

Applicant submits herewith actions from co-pending, commonly assigned U.S. Patent Applications as documents **NPL573-NPL658** and **NPL841-NPL874**. The identification of these 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. 14/733,565, filed June 8, 2015 (now pending); 14/577,286, filed December 19,

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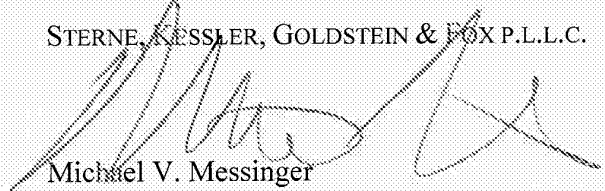
2014 (now abandoned); 14/134,933, filed December 19, 2013 (now U.S. Patent No. 8,929,442); 14/033,245, filed September 20, 2013 (now U.S. Patent No. 8,934,535); 13/154,239, filed June 6, 2011 (now U.S. Patent No. 8,553,759); 12/123,081, filed May 19, 2008 (now U.S. Patent No. 8,073,047); and 10/076,013, 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.

  
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Date:

October 30, 2015

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Substitute for form 1449/PTO			<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>			Application Number	14/876,276
			Filing Date	October 6, 2015
			First Named Inventor	James J. FALLON
			Art Unit	2668
			Examiner Name	To Be Assigned
			Attorney Docket Number	2855.005000C
Sheet	1	of	32	

U.S. PATENT DOCUMENTS						
Examiner initials*	Cite No. <sup>1</sup>	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 <sup>2</sup> (if known)				
	US1	3,394,352		07-23-1968	Wernikoff et al.	
	US2	3,490,690		01-20-1970	Apple et al.	
	US3	4,021,782		05-03-1977	Hoerning	
	US4	4,032,893		06-28-1977	Moran	
	US5	4,054,951		10-18-1977	Jackson et al.	
	US6	4,127,518		11-28-1978	Coy et al.	
	US7	4,302,775		11-24-1981	Widergren et al.	
	US8	4,325,085		04-13-1982	Gooch	
	US9	4,360,840		11-23-1982	Wolfrun et al.	
	US10	4,386,416		05-31-1983	Giltner et al.	
	US11	4,394,774		07-19-1983	Widergren et al.	
	US12	4,464,650		08-07-1984	Eastman	
	US13	4,494,108		01-15-1985	Langdon, Jr. et al.	
	US14	4,499,499		02-12-1985	Brickman et al.	
	US15	4,574,351		03-04-1986	Dang et al.	
	US16	4,593,324		06-03-1986	Ohkubo et al.	
	US17	4,626,829		12-02-1986	Hauck	
	US18	4,646,061		02-24-1987	Bledsoe	
	US19	4,682,150		07-21-1987	Mathes et al.	
	US20	4,701,745		10-20-1987	Waterworth	

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		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)					
	FP1	DE	4127518	02-27-1992	Tokico Ltd		X
	FP2	EP	0 164677	12-18-1985	Texas Instruments Inc		
	FP3	EP	0 185098	06-25-1986	Hitachi Ltd		
	FP4	EP	0283798	09-28-1988	International Business Machines Corporation		
	FP5	EP	0405572	01-02-1991	Fujitsu Limited		
	FP6	EP	0493130	07-01-1992	Canon Kabushiki Kaisha		
	FP7	EP	0587437	03-16-1994	International Business Machines Corporation		
	FP8	EP	0595406	05-04-1994	Philips Electronics		

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		Number-Kind Code <sup>2</sup> (if known)				
	US21	4,729,020		03-01-1988	Schaphorst et al.	
	US22	4,730,348		03-08-1988	MacCrisken	
	US23	4,745,559		05-17-1988	Willis et al.	
	US24	4,748,638		05-31-1988	Freidman et al.	
	US25	4,750,135		06-07-1988	Boilen	
	US26	4,754,351		06-28-1988	Wright	
	US27	4,804,959		02-14-1989	Makansi et al.	
	US28	4,813,040		03-14-1989	Futato	
	US29	4,814,746		03-21-1989	Miller et al.	
	US30	4,862,167		08-29-1989	Copeland, III	
	US31	4,866,601		09-12-1989	DuLac et al.	
	US32	4,870,415		09-26-1989	Van Maren et al.	
	US33	4,872,009		10-03-1989	Tsukiyama et al.	
	US34	4,876,541		10-24-1989	Storer	
	US35	4,888,812		12-19-1989	Dinan et al.	
	US36	4,890,282		12-26-1989	Lambert et al.	
	US37	4,897,717		01-30-1990	Hamilton et al.	
	US38	4,906,991		03-06-1990	Fiala et al.	
	US39	4,906,995		03-06-1990	Swanson	
	US40	4,929,946		05-29-1990	O'Brien et al.	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
	FP9	EP 0718751		06-26-1996	International Business Machines Corporation		
	FP10	EP 0 928 070 A2		07-07-1999	Unwired Planet, Inc.		
	FP11	GB 2162025		01-22-1986	King Reginald Alfred		
	FP12	JP 6051989		02-25-1994	NEC Corp		X
	FP13	JP 9188009		07-22-1997	Canon Inc		X
	FP14	JP 11149376		06-02-1999	Toyo Commun Equip Co. Ltd		X
	FP15	WO 9414273		06-23-1994	Voxson International Pty Ltd		
	FP16	WO 9429852		12-22-1994	Maxtor Corp		

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		Attorney Docket Number	2855.005000C
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		Number-Kind Code <sup>2</sup> (if known)				
	US41	4,953,324		09-04-1990	Hermann	
	US42	4,956,808		09-11-1990	Aakre et al.	
	US43	4,965,675		10-23-1990	Hori et al.	
	US44	4,988,998		01-29-1991	O'Brien	
	US45	5,003,307		03-26-1991	Whiting et al.	
	US46	5,016,009		05-14-1991	Whiting et al.	
	US47	5,027,376		06-25-1991	Freidman et al.	
	US48	5,028,922		07-02-1991	Huang	
	US49	5,045,848		09-03-1991	Fascenda	
	US50	5,045,852		09-03-1991	Mitchell et al.	
	US51	5,046,027		09-03-1991	Taaffe et al.	
	US52	5,049,881		09-17-1991	Gibson et al.	
	US53	5,091,782		02-25-1992	Krause et al.	
	US54	5,097,261		03-17-1992	Langdon, Jr. et al.	
	US55	5,109,226		04-28-1992	MacLean, Jr. et al.	
	US56	5,109,433		04-28-1992	Notenboom	
	US57	5,109,451		04-28-1992	Aono et al.	
	US58	5,113,522		05-12-1992	Dinwiddie, Jr. et al.	
	US59	5,115,309		05-19-1992	Hang	
	US60	5,121,342		06-09-1992	Szyborski	

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	FP17	WO 9502873		01-26-1995	Philips Electronics		
	FP18	WO 95/29437 A1		11-02-1995	Sony Corp		X
	FP19	WO 9748212		12-18-1997	Nokia Telecommunications		
	FP20	WO9839699 A2		09-11-1998	Intelligent Compression Technologies		
	FP21	WO 9908186		02-18-1999	Macronix International Co, Ltd		
	FP22	WO0036754 A1		06-22-2000	Microsoft Corporation		
	FP23	WO 01/057642		08-09-2001	Realtime Data LLC		
	FP24	WO 01/057659		08-09-2001	Realtime Data LLC		

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			Attorney Docket Number	2855.005000C
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		Number-Kind Code <sup>2</sup> (if known)				
	US61	5,126,739		06-30-1992	Whiting et al.	
	US62	5,128,963		07-07-1992	Akagiri	
	US63	5,132,992		07-21-1992	Yurt et al.	
	US64	5,146,221		09-08-1992	Whiting et al.	
	US65	5,150,430		09-22-1992	Chu	
	US66	5,155,484		10-13-1992	Chambers, IV	
	US67	5,159,336		10-27-1992	Rabin et al.	
	US68	5,167,034		11-24-1992	MacLean, Jr. et al.	
	US69	5,175,543		12-29-1992	Lantz	
	US70	5,179,651		01-12-1993	Taaffe et al.	
	US71	5,187,793		02-16-1993	Keith et al.	
	US72	5,191,431		03-02-1993	Hasegawa et al.	
	US73	5,204,756		04-20-1993	Chevion et al.	
	US74	5,209,220		05-11-1993	Hiyama et al.	
	US75	5,212,742		05-18-1993	Normile et al.	
	US76	5,226,176		07-06-1993	Westaway et al.	
	US77	5,227,893		07-13-1993	Ett	
	US78	5,231,492		07-27-1993	Dangi et al.	
	US79	5,237,460		08-17-1993	Miller et al.	
	US80	5,237,675		08-17-1993	Hannon, Jr.	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
	FP25	WO 01/63772		08-30-2001	Physical Optics Corporation		
	FP26	WO 02/39591		05-16-2002	Realtime Data LLC		
	FP27	JP 04-241681		08-28-1992	Fujitsu Limited		X

Examiner Signature	/Tesfaldet Bocure/	Date Considered	01/23/2016
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