

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4192637

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
QNX SOFTWARE SYSTEMS LIMITED	04/13/2014
RECEIVING PARTY DATA	
Name:	8758271 CANADA INC.
Street Address:	2200 UNIVERSITY AVENUE EAST
City:	WATERLOO
State/Country:	CANADA
Postal Code:	N2K 0A7
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	61792323
Application Number:	13974694
Application Number:	15080153
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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ATTORNEY DOCKET NUMBER:	101-0321USP2
NAME OF SUBMITTER:	JEFFREY TRACEY
SIGNATURE:	/Jeffrey Tracey/
DATE SIGNED:	12/20/2016
Total Attachments: 36	
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CONFIRMATION AND ASSIGNMENT

WHEREAS QNX SOFTWARE SYSTEMS LIMITED, a corporation organized under the laws of the Province of Ontario, Canada, having a place of business at 1001 Farrar Road, Kanata, Ontario, Canada K2K 0B3 (the "ASSIGNOR") is the owner of certain rights, title and interest in and to certain inventions and designs (the "Assignor Inventions"); and

WHEREAS 8758271 CANADA INC., a corporation organized under the laws of the Country of Canada, having a place of business at 2200 University Avenue E., Waterloo, Ontario, Canada N2K 0A7 (the "ASSIGNEE"); and

WHEREAS, ASSIGNOR and ASSIGNEE are parties to an Asset Purchase Agreement dated January 17, 2014 (the "Purchase Agreement"); and

WHEREAS, pursuant to the Purchase Agreement, ASSIGNOR and ASSIGNEE agreed that ASSIGNEE is the owner of all developments, modifications and improvements related to the Assignor Inventions, whether created by ASSIGNEE or ASSIGNOR or on their behalf (the "Developments"), and that ASSIGNOR has received full market consideration therefor; and

WHEREAS, pursuant to the Purchase Agreement, ASSIGNOR wishes to confirm that ASSIGNEE is the owner of all rights, title and interest of the ASSIGNOR in and to certain of the Developments ("Creations"), described in documents, descriptions and/or drawings ("Creation Documents"), and/or described in applications for patents, design registrations or utility model registrations ("Applications"), inclusive of any and all priority rights derived therefrom, and all ancillary patent, design registration and utility model registration rights relating thereto, as listed in Schedule A - QNX Patents attached hereto.

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR and ASSIGNEE, ASSIGNOR and ASSIGNEE, intending to be legally bound, agree as follows:

ASSIGNOR hereby confirms that it has transferred, conveyed and assigned, and by way of further assurance, to the extent that the transfer, conveyance or assignment has not already been fully effected, ASSIGNOR hereby transfers, conveys and assigns, any and all of its rights, title and interest in and to: the Creations; the Creation Documents; Applications; any further applications for patents, designs or utility models for the whole or any part or parts of or improvements to the Creations in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations and utility model registrations relating to the Creations and Creation Documents; and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this assignment; with the intent that the Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR hereby agrees, upon request, to provide assistance and to execute any and all further documents which may be necessary or desirable to enable ASSIGNEE or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions, and any and all patents and registrations granted thereon, and ASSIGNOR further agrees to execute, upon request, any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR does hereby authorize ASSIGNEE or its patent agents or attorneys to insert in Schedule A - QNX Patents the jurisdictions, application numbers, filing dates

and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

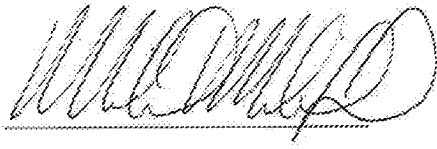
ASSIGNOR hereby authorizes and requests The Commissioner of Patents, or any equivalent authority, to issue to ASSIGNEE each and every patent, registration and other forms of protection, right and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns and shall be binding upon ASSIGNOR and its successors and permitted assigns.

IF ANY COVENANT OR PROVISION, or portion thereof, of this document is determined to be void or unenforceable, such void or unenforceable covenant or provision, or portion thereof, is hereby conceded to be severable from the balance of this document, and any such determination shall not, in any event, affect or impair the validity of the balance of the covenant or provision, nor shall it affect or impair the validity of any other covenant or provision herein contained.

IN WITNESS WHEREOF, this Confirmation And Assignment has been executed below by the undersigned:

QNX SOFTWARE SYSTEMS LIMITED


By 

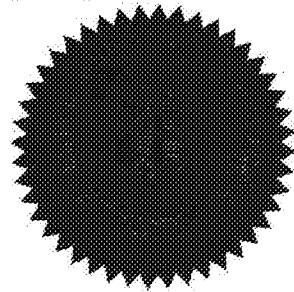
Name: Michael Michalyszyn
Title: Vice President, HR & General Counsel
Date: April 3, 2014

PROVINCE OF ONTARIO)
MUNICIPALITY OF OTTAWA)

ss.:

On the 3rd day of April, 2014, before me, the undersigned, a notary public in and for said province and municipality, personally appeared Michael Michalyszyn, personally known to me (or proved to me on the basis of satisfactory evidence), to be the individual who executed the foregoing instrument on behalf of QNX Software Systems Limited as the Vice President, HR and General Counsel of such company, executed such instrument in such capacity, and acknowledged to me that the execution and delivery of said instrument was duly authorized by said company.


Notary Public
(Affix Seal Below)



8758271 CANADA INC.,

By

Name:

Title:

Date:

PROVINCE OF)

MUNICIPALITY OF)

ss.:

On the ____th day of April, 2014, before me, the undersigned, a notary public in and for said province and municipality, personally appeared Roger Witteveen, personally known to me (or proved to me on the basis of satisfactory evidence), to be the individual who executed the foregoing instrument on behalf of 8758271 Canada Inc. as the of such company, executed such instrument in such capacity, and acknowledged to me that the execution and delivery of said instrument was duly authorized by said company.

.....
Notary Public
(Affix Seal Below)

SCHEDULE A
Patent Applications and Granted Patents

Case reference	Title	Country	Filing Date	Filing Number	Publication Date	Publication Number	Grant Date	Grant Number
38774-US-CIP	MICROPHONE SHIELD SYSTEM	United States Of America	30 Jun 2004	16/0029261				
38774-US-DIV	MICROPHONE SHIELD SYSTEM	United States Of America	21 May 2008	12/124773	16 Aug 2008	0226110	19 Aug 2008	7415122
38774-US-PAT	MICROPHONE SHIELD SYSTEM	United States Of America	21 May 2008	09/579179			17 May 2011	7945065
38777-US-CIP	COMPUTER FILE MANAGEMENT SYSTEM	United States Of America	25 May 2008	11/336385			03 Aug 2009	8777178
38777-US-CIP 2	COMPUTER FILE MANAGEMENT SYSTEM	United States Of America	20 Jan 2008	11/336421	14 Sep 2008	0208449	21 Oct 2008	7439880
38777-US-CNT	COMPUTER FILE MANAGEMENT SYSTEM HAVING FILE MAPPINGS TO FILES OF A REAL FILESYSTEM	United States Of America	16 May 2008	11/438965	14 Sep 2008	0206450	07 Oct 2008	7433902
38777-US-PAT	COMPUTER FILE MANAGEMENT SYSTEM	United States Of America	03 Apr 2001	09/824252	03 Oct 2002	0143795	16 May 2008	7461098
38780-CA-PAT 2	SYSTEM FOR SUPPRESSING WIND NOISE	Canada	18 Feb 2004	2459428	21 Aug 2004	2459428	15 May 2012	2459428
38780-CA-PAT	SYSTEM FOR SUPPRESSING WIND NOISE	China	23 Feb 2004	200410004583.4			11 Jun 2008	200410004583.4
38780-DE-EPA	SYSTEM FOR SUPPRESSING WIND NOISE	Germany	19 Feb 2004	04003811.9			16 Apr 2008	200410004584.9
38780-DE-EPA 2	SYSTEM FOR SUPPRESSING WIND NOISE	Germany	19 Feb 2004	04003811.9			21 Jun 2006	602504801241.6
38780-DE-EPA 2	SYSTEM FOR SUPPRESSING WIND NOISE	Germany	19 Feb 2004	04003811.9			02 Aug 2006	602504801694.2
38780-EP-EPA	SYSTEM FOR SUPPRESSING WIND NOISE	European Procedure	19 Feb 2004	04003811.9			21 Jun 2006	1450354
38780-EP-EPA 2	SYSTEM FOR SUPPRESSING WIND NOISE	European Procedure	19 Feb 2004	04003811.9			02 Aug 2006	1450353
38780-EP-EPA 2	SYSTEM FOR SUPPRESSING WIND NOISE	France	18 Feb 2004	04003811.9			21 Jun 2008	1450354
38780-EP-EPA 2	SYSTEM FOR SUPPRESSING WIND NOISE	United Kingdom	18 Feb 2004	04003811.9			21 Jun 2008	1450354
38780-GB-EPA 2	SYSTEM FOR SUPPRESSING WIND NOISE	Italy	19 Feb 2004	04003811.9			21 Jun 2006	1450354
38780-IT-EPA 2	SYSTEM FOR SUPPRESSING WIND NOISE	Italy	18 Feb 2004	04003811.9			02 Aug 2006	1450355
38780-JP-PAT	SYSTEM FOR SUPPRESSING WIND NOISE	Japan	20 Feb 2004	2004-045624			06 Feb 2008	4252986
38780-KR-PAT	SYSTEM FOR SUPPRESSING WIND NOISE	South Korea / Republic of	20 Feb 2004	10-2004-0011353			06 May 2011	10-1034831
38780-KR-PAT 2	SYSTEM FOR SUPPRESSING WIND NOISE	South Korea / Republic of	21 Feb 2004	10-2004-0011708			24 Jun 2011	10-1045627
38780-US-CIP	SYSTEM FOR SUPPRESSING WIND NOISE	United States Of America	16 Oct 2003	10/688802			22 Feb 2011	7895036
38780-US-CIP 2	SIGNATURE NOISE REMOVAL	United States Of America	30 Nov 2008	11/679340			18 Sep 2012	8271279
38780-US-CIP 2	SIGNATURE NOISE REMOVAL	United States Of America	12 Oct 2010	12/902803			24 Apr 2012	8165875
38780-US-CNT 2	METHOD AND APPARATUS FOR SUPPRESSING WIND NOISE	United States Of America	25 Jan 2011	13/013358			26 May 2011	2011/0123044
38780-US-CNT 3	SIGNATURE NOISE REMOVAL	United States Of America	31 Aug 2012	13/01314			20 Dec 2012	0321095
38780-US-PAT	WIND NOISE SUPPRESSION SYSTEM	United States Of America	10 Apr 2003	10/410736			26 Aug 2004	2004/0168526
38781-CA-PAT	ISOLATING VOICE SIGNALS UTILIZING NEURAL NETWORKS	Canada	21 Feb 2003	60/449511				
38781-CA-PAT	ISOLATING VOICE SIGNALS UTILIZING NEURAL NETWORKS	Canada	22 Mar 2005	2501386			26 Jul 2011	2501386
38781-DE-EPA	ISOLATING VOICE SIGNALS UTILIZING NEURAL NETWORKS	Germany	23 Mar 2005	05060440.1			26 Sep 2005	1580730
38781-EP-EPA	ISOLATING VOICE SIGNALS UTILIZING NEURAL NETWORKS	European Procedure	23 Mar 2005	05060440.1			26 Sep 2005	1580730
38781-EP-EPA	ISOLATING VOICE SIGNALS UTILIZING NEURAL NETWORKS	France	23 Mar 2005	05060440.1			28 Sep 2005	1580730
38781-GB-EPA	ISOLATING VOICE SIGNALS UTILIZING NEURAL NETWORKS	United Kingdom	23 Mar 2005	05060440.1			28 Sep 2005	1580730
38781-IT-EPA	ISOLATING VOICE SIGNALS UTILIZING NEURAL NETWORKS	Italy	23 Mar 2005	05060440.1			28 Sep 2005	1580730
38781-US-EPA	ISOLATING VOICE SIGNALS UTILIZING NEURAL NETWORKS	United States Of America	21 Mar 2005	11/085825			09 Feb 2006	2006/0031066
38781-US-PRV	ISOLATING VOICE SIGNALS UTILIZING NEURAL NETWORKS	United States Of America	23 Mar 2004	60/555822				
38782-CA-PAT	MIMICIZATION OF TRANSIENT NOISES IN A VOICE SIGNAL	Canada	06 Oct 2008	2562981			17 Apr 2007	2562981
38782-US-CIP	SYSTEM FOR SUPPRESSING RAIN NOISE	United States Of America	17 Oct 2005	01/252160			11 May 2006	2006/0100986
38783-CA-PAT	SYSTEM FOR SUPPRESSING RAIN NOISE	Canada	07 Dec 2005	2629594			09 Jun 2006	2629594
38783-US-CIP	SYSTEM FOR SUPPRESSING RAIN NOISE	United States Of America	08 Dec 2004	11/008395			26 May 2005	2005/0111426
38783-US-CNT	REPETITIVE TRANSIENT NOISE REMOVAL	United States Of America	18 May 2011	13/111274			17 Nov 2011	2011/0282860
38784-US-CIP	REPETITIVE TRANSIENT NOISE REMOVAL	United States Of America	13 Jan 2008	11/331806			01 Jun 2008	2008/0116873
38784-US-CNT	REPETITIVE TRANSIENT NOISE REMOVAL	United States Of America	05 Nov 2011	13/307615			29 Mar 2012	2012/0076315
38785-CA-PAT	NETWORK DEPENDENT SIGNAL PROCESSING	Canada	05 Jul 2006	2551505			28 Jan 2007	2551505
38785-CN-PAT	NETWORK DEPENDENT SIGNAL PROCESSING	China	21 Jul 2006	200610107734.5			14 Feb 2007	19133521
38785-EP-EPA	NETWORK DEPENDENT SIGNAL PROCESSING	European Procedure	11 Jul 2006	06011426.6			31 Jan 2007	1748683
38786-KR-PAT	NETWORK DEPENDENT SIGNAL PROCESSING	South Korea / Republic of	21 Jul 2006	10-2006-0088726			01 Feb 2007	10-2007-0014990

Case Reference	Title	Country	Filing Date	Filing Number	Publication Date	Publication Number	Grant Date	Grant Number
38786-US-PAT	NETWORK DEPENDENT SIGNAL PROCESSING	United States Of America	02 Sep 2005	11/218742	01 Feb 2007	2007/005261	25 May 2010	7724933
38785-US-PRV	NETWORK DEPENDENT SIGNAL PROCESSING	United States Of America	28 Jul 2005	60/704065				
38786-US-PAT	PERIODIC SIGNAL ENHANCEMENT SYSTEM	United States Of America	26 Oct 2004	10/973375	27 Apr 2006	2006/008935	16 Mar 2010	7660852
38787-CA-PAT	METHOD FOR PROVIDING TRANSPARENT ACCESS TO HARDWARE GRAPHIC LAYERS	Canada	24 Aug 2005	2576681	28 Feb 2006	2576681		
38787-EP-EPA	METHOD AND SYSTEM FOR PROVIDING TRANSPARENT ACCESS TO HARDWARE GRAPHIC LAYERS	European Procedure	30 Aug 2005	05018844.0				
38787-EP-EPO	METHOD AND SYSTEM FOR PROVIDING TRANSPARENT ACCESS TO HARDWARE GRAPHIC LAYERS	European Procedure	22 May 2013	13166688.3	21 Apr 2010	1656253		
38787-IN-PAT	METHOD AND SYSTEM FOR PROVIDING TRANSPARENT ACCESS TO HARDWARE GRAPHIC LAYERS	India	30 Aug 2005	1213/CHE/2005				
38787-KR-PAT	SYSTEM FOR PROVIDING TRANSPARENT ACCESS TO HARDWARE GRAPHIC LAYERS	South Korea / Republic of	30 Aug 2005	10-2005-0090113	27 Jul 2007	1213/CHE/2005		
38787-US-CNT	METHOD AND SYSTEM FOR PROVIDING TRANSPARENT ACCESS TO HARDWARE GRAPHIC LAYERS	United States Of America	05 Nov 2010	12/040162	18 May 2006	10-2006-0050630	25 Jan 2013	1328708
38787-US-CNT 21	METHOD AND SYSTEM FOR PROVIDING TRANSPARENT ACCESS TO HARDWARE GRAPHIC LAYERS	United States Of America	14 Dec 2011	13/282808	03 Mar 2011	12011/005688	17 Jan 2012	8039246
38787-US-CNT 31	METHOD AND SYSTEM FOR PROVIDING TRANSPARENT ACCESS TO HARDWARE GRAPHIC LAYERS	United States Of America	09 Apr 2013	13/858305	11 Oct 2012	12012/0529630	09 Apr 2013	8416235
38787-US-PAT	METHOD AND SYSTEM FOR PROVIDING TRANSPARENT ACCESS TO HARDWARE GRAPHIC LAYERS	United States Of America	30 Aug 2004	10/928898	29 Aug 2013	13/022362		
38788-CA-PAT	REVERBERATION ESTIMATION AND SUPPRESSION SYSTEM	Canada	18 May 2005	2527461	02 Mar 2006	0048163	09 Nov 2010	7830372
38788-KR-PAT	REVERBERATION ESTIMATION AND SUPPRESSION SYSTEM	South Korea / Republic of	01 Dec 2005	10-2006-0116299	07 Jun 2006	10-2006-0061259	25 Jun 2013	2527461
38788-US-PAT	REVERBERATION ESTIMATION AND SUPPRESSION SYSTEM	United States Of America	01 Dec 2004	11/0023228	01 Jun 2006	2006/0115095	09 Oct 2012	8248447
38789-US-CNT	SYSTEM FOR SUPPRESSING PASSING TIRE HISS	United States Of America	01 Sep 2011	13/223863	22 Dec 2011	2011/0311088	27 Apr 2013	8521521
38789-US-PAT	SYSTEM FOR SUPPRESSING PASSING TIRE HISS	United States Of America	08 May 2005	11/125052	08 Nov 2006	2006/0251266	27 Sep 2011	8027833
38789-WO-PCT	SYSTEM FOR SUPPRESSING PASSING TIRE HISS	International Procedure	13 Apr 2006	PCT/CA2006/0005	16 Nov 2006	2006/119806		
38790-CA-PAT	SYSTEM FOR ADAPTIVE ENHANCEMENT OF SPEECH SIGNALS	Canada	09 Jun 2006	2530744	28 Dec 2006	2530744		
38790-CA-PAT	SYSTEM FOR ADAPTIVE ENHANCEMENT OF SPEECH SIGNALS	China	20 Jun 2006	25010093086.2	30 May 2007	1931711	18 Jul 2012	200610093086.2
38790-DE-EPA	SPEECH SIGNAL ENHANCEMENT	Germany	13 Jun 2006	08012186.2	03 Jan 2007	1739637	09 Jan 2013	8026065340613
38790-EP-EPA	SPEECH SIGNAL ENHANCEMENT	European Procedure	13 Jun 2006	08012186.2	03 Jan 2007	1739637	05 Jan 2013	1739637
38790-EP-EPO	SPEECH SIGNAL ENHANCEMENT	European Procedure	13 Jun 2006	08012186.2	03 Jan 2007	1739637	09 Jan 2013	1739637
38790-EP-PCT	SPEECH SIGNAL ENHANCEMENT	France	13 Jun 2006	08012186.2	03 Jan 2007	1739637	09 Jan 2013	1739637
38790-GB-EPA	SPEECH SIGNAL ENHANCEMENT	United Kingdom	13 Jun 2006	08012186.2	03 Jan 2007	1739637	09 Jan 2013	1739637
38790-US-DIV	VEHICLE STATE BASED PARAMETER ADJUSTMENT SYSTEM	United States Of America	28 Jun 2005	11/167955	26 Dec 2006	2006/0283882	22 Oct 2013	8668086
38791-CA-PAT	VEHICLE STATE BASED PARAMETER ADJUSTMENT SYSTEM	Canada	18 Apr 2012	2774986				
38791-CA-PAT	VEHICLE STATE BASED PARAMETER ADJUSTMENT SYSTEM	Canada	18 Dec 2005	2530949	06 Jul 2006	2530949	03 Jul 2012	2253949
38791-US-DIV	VEHICLE STATE BASED PARAMETER ADJUSTMENT SYSTEM	United States Of America	07 Oct 2010	12/889932	03 Feb 2011	12011/0029196	26 Mar 2013	8406822
38791-US-PAT	VEHICLE STATE BASED PARAMETER ADJUSTMENT SYSTEM	United States Of America	06 Jan 2005	11/031373	06 Jul 2006	2006/0145537	12 Oct 2010	7619371
38792-CA-PCT	SYSTEM FOR IMPROVING SPEECH QUALITY AND INTELLIGIBILITY	Canada	23 Mar 2006	2604855			02 Jul 2013	2604855
38792-CA-PCT	SYSTEM FOR IMPROVING SPEECH QUALITY AND INTELLIGIBILITY	China	23 Mar 2006	2506850132161.5	16 Apr 2008	101164104	04 Nov 2009	2506850132161.5
38792-EP-EPT	SYSTEM FOR IMPROVING SPEECH QUALITY AND INTELLIGIBILITY WITH BANDWIDTH COMPRESSION EXPANSION	European Procedure	23 Mar 2006	06721766.7	02 Jan 2008	1872965	25 Mar 2011	4707739
38792-EP-PCT	SYSTEM FOR IMPROVING SPEECH QUALITY AND INTELLIGIBILITY WITH BANDWIDTH COMPRESSION EXPANSION	Japan	23 Mar 2006	2008-5068931	11 Sep 2008	2008-5068931	12 Oct 2010	7813931
38792-US-PAT	SYSTEM FOR IMPROVING SPEECH QUALITY AND INTELLIGIBILITY WITH BANDWIDTH COMPRESSION EXPANSION	United States Of America	20 Apr 2005	11/1109566	02 Nov 2006	2006/0247922	12 Oct 2010	7813931
38792-WO-PCT	SYSTEM FOR IMPROVING SPEECH QUALITY AND INTELLIGIBILITY WITH BANDWIDTH COMPRESSION EXPANSION	International Procedure	23 Mar 2005	PCT/CA2005/0004	23 Sep 2007	2006/110890		
38793-US-PAT	DYNAMIC REAL-TIME CROSS-FADING OF VOICE PROMPTS	United States Of America	26 May 2005	11/139928	30 Nov 2006	2006/0271372	04 Aug 2009	7571104
38793-WO-PCT	DYNAMIC REAL-TIME CROSS-FADING OF VOICE PROMPTS	International Procedure	23 May 2005	PCT/CA2005/0008	23 Nov 2007	2006/125308		
38794-CA-PAT	FREQUENCY EXTENSION OF HARMONIC SIGNALS	Canada	19 Jun 2006	2550654	28 Dec 2006	2550654	13 Aug 2013	2550654
38794-CA-PAT	SYSTEM AND METHOD OF EXTENDING HARMONICS OF A BAND-LIMITED HARMONIC SIGNAL	China	23 Jun 2006	200610093177.6	10 Jan 2007	1893412	26 Sep 2012	200610093177.6
38794-DE-EPA	FREQUENCY EXTENSION OF HARMONIC SIGNALS	Germany	23 Jun 2006	08013052.5	03 Jan 2007	1739638	24 Mar 2010	692009013070.8
38794-EP-EPA	FREQUENCY EXTENSION OF HARMONIC SIGNALS	European Procedure	23 Jun 2006	08013052.5	03 Jan 2007	1739638	24 Mar 2010	1739638
38794-EP-EPO	FREQUENCY EXTENSION OF HARMONIC SIGNALS	European Procedure	23 Jun 2006	08013052.5	03 Jan 2007	1739638	24 Mar 2010	1739638
38794-GB-EPA	FREQUENCY EXTENSION OF HARMONIC SIGNALS	United Kingdom	23 Jun 2006	08013052.5	03 Jan 2007	1739638	24 Mar 2010	1739638
38794-IT-EPA	FREQUENCY EXTENSION OF HARMONIC SIGNALS	Italy	23 Jun 2006	08013052.5	03 Jan 2007	1739638	24 Mar 2010	1739638
38794-US-PAT	FREQUENCY EXTENSION OF HARMONIC SIGNALS	United States Of America	28 Dec 2006	020130321	28 Dec 2006	2006/0299316	13 Nov 2012	8311840
38795-CA-PAT	PERIODIC SIGNAL ENHANCEMENT SYSTEM	Canada	24 Oct 2005	2524162	26 Apr 2006	2524162	11 Jan 2011	2524162
38795-CA-PAT	PERIODIC SIGNAL ENHANCEMENT SYSTEM	Canada	28 Oct 2005	10-2005-0101336	18 May 2006	10-2006-0049382	27 Oct 2007	6754586
38795-US-CIP	PERIODIC SIGNAL ENHANCEMENT SYSTEM	United States Of America	08 Apr 2005	11/1032251	27 Apr 2006	2006/0081959	27 Oct 2007	6754586
38796-US-CIP	PERIODIC SIGNAL ENHANCEMENT SYSTEM	United States Of America	08 Apr 2005	11/1017196	11 May 2006	2006/0086939	01 May 2012	8170879
38797-US-PAT	SYSTEM FOR ASYNCHRONOUS MESSAGING	United States Of America	03 Jun 2005	11/1441005	17 Aug 2006	2006/0182137	16 Jan 2009	7491951
38798-US-PRV	SYSTEM FOR ASYNCHRONOUS MESSAGING	United States Of America	13 Feb 2006	80/652929				
38798-US-PAT	ADAPTIVE GAIN CONTROL SYSTEM	United States Of America	19 Apr 2005	F01/CA00060	04 Jan 2007	2007/0003078	14 Feb 2012	8116485
38799-WO-PCT	ADAPTIVE GAIN CONTROL SYSTEM	International Procedure	18 Apr 2005	PCT/CA2005/0006	18 Oct 2007	2007/0003078		
38799-1-CA-PAT	DISTRIBUTED KERNEL OPERATING SYSTEM	Canada	24 May 2008	2547829	03 Dec 2008	2547829		

Case Reference	Title	Country	Filing Date	Filing Number	Publication Date	Publication Number	Grant Date	Grant Number
38799-1-CN-PAT	DISTRIBUTED KERNEL OPERATING SYSTEM	China	01 Jun 2006	200610085515.7	20 Dec 2006	1861944	05 Oct 2013	200610085515.7
38799-1-KR-PAT	DISTRIBUTED KERNEL OPERATING SYSTEM	South Korea / Republic of	01 Jun 2006	200610085515.7	20 Dec 2006	1861944	05 Oct 2013	200610085515.7
38799-1-US-PAT	DISTRIBUTED KERNEL OPERATING SYSTEM	United States Of America	03 Jun 2005	11/144327	07 Dec 2006	0272864	04 Jul 2012	200610085516.1
38799-CN-PAT	DISTRIBUTED KERNEL OPERATING SYSTEM	China	24 May 2006	2547880	03 Dec 2006	2547880	26 Dec 2006	1861945
38799-KR-PAT	DISTRIBUTED KERNEL OPERATING SYSTEM	South Korea / Republic of	01 Jun 2006	200610085516.1	07 Dec 2006	10-2006-0126374	13 Dec 2011	8078716
38799-US-CNT	DISTRIBUTED KERNEL OPERATING SYSTEM	United States Of America	25 Oct 2010	10-2006-049352	10 Feb 2011	2011-0035502	26 Feb 2013	8366566
38799-US-CNT 21	DISTRIBUTED KERNEL OPERATING SYSTEM	United States Of America	09 Nov 2011	12-811506	13 Jul 2012	01799777	23 Nov 2010	7946982
38799-US-PAT	DISTRIBUTED KERNEL OPERATING SYSTEM	United States Of America	09 Jun 2005	11/144933	07 Dec 2006	020612785	23 Nov 2010	7946982
38800-CN-PAT	SYSTEM FOR EXECUTING CODE DURING OPERATING SYSTEM INITIALZATION	China	26 May 2006	2548309	02 Dec 2006	2548309	04 Dec 2012	2548309
38800-EP-EPA	SYSTEM FOR EXECUTING CODE DURING OPERATING SYSTEM INITIALZATION	European Procedure	01 Jun 2006	06011406.9	27 Dec 2006	1736897.1	06 Aug 2013	1296447
38800-KR-PAT	SYSTEM FOR EXECUTING CODE DURING OPERATING SYSTEM INITIALZATION	South Korea / Republic of	01 Jun 2005	10-2006-0049348	07 Dec 2006	10-2006-0126372	02 Dec 2008	7461247
38800-US-PAT	SYSTEM FOR EXECUTING CODE DURING OPERATING SYSTEM INITIALZATION	United States Of America	03 Jun 2005	11/145173	14 Sep 2006	2538563		
38801-CN-PAT	PROCESS SCHEDULER EMPLOYING ADAPTIVE PARTITIONING OF PROCESS THREADS	China	01 Mar 2006	2538563.3				
38801-EP-EPA	PROCESS SCHEDULER EMPLOYING ADAPTIVE PARTITIONING OF PROCESS THREADS	European Procedure	03 Mar 2006	06004378.3				
38801-EP-EPO	PROCESS SCHEDULER EMPLOYING ADAPTIVE PARTITIONING OF PROCESS THREADS	European Procedure	30 Sep 2010	10184631.0				
38801-KR-PAT	ADAPTIVE PARTITIONING FOR OPERATING SYSTEM	India	13 Mar 2008	450/CHE/2006			06 Apr 2011	2306311
38801-US-CIP	ADAPTIVE PARTITIONING FOR OPERATING SYSTEM	United States Of America	13 Mar 2008	10-2006-0023269				
38801-US-CIP 21	PROCESS SCHEDULER EMPLOYING ADAPTIVE PARTITIONING OF PROCESS THREADS	United States Of America	22 Dec 2006	11/517468	27 Sep 2007	2007/0226739	30 Apr 2013	8454086
38801-US-CIP 22	ADAPTIVE PARTITIONING SCHEDULER FOR MULTI-PROCESSING SYSTEM	United States Of America	28 Feb 2008	12/039878	14 Aug 2008	2008/0196031	14 Aug 2012	8245230
38801-US-CIP 23	ADAPTIVE PARTITIONING SCHEDULER FOR MULTI-PROCESSING SYSTEM	United States Of America	07 Apr 2008	12/039872	25 Sep 2008	2008/0236701		
38801-US-CNT 1	PROCESS SCHEDULER EMPLOYING ORDERING FUNCTION TO SCHEDULE THREADS RUNNING IN MULTIPLE	United States Of America	23 Dec 2010	12/0978083	05 May 2011	2011/0107342		
38801-US-CNT 21	ADAPTIVE PARTITIONING FOR OPERATING SYSTEM	United States Of America	25 Feb 2013	13/776165				
38801-US-CNT 31	PROCESS SCHEDULER EMPLOYING ADAPTIVE PARTITIONING OF PROCESS THREADS	United States Of America	29 Apr 2013	13/822865	19 Sep 2013	2013/0247066	23 Nov 2010	7840866
38801-US-DIV	PROCESS SCHEDULER EMPLOYING ADAPTIVE PARTITIONING OF CRITICAL PROCESS THREADS	United States Of America	08 Mar 2008	11/371638	14 Aug 2008	2006/0206881	11 Jan 2011	7870554
38801-US-DIV 21	PROCESS SCHEDULER EMPLOYING ORDERING FUNCTION TO SCHEDULE THREADS RUNNING IN MULTIPLE	United States Of America	08 Mar 2008	11/371638	15 Mar 2007	2007/0061788		
38801-US-DIV 31	PROCESS SCHEDULER EMPLOYING ORDERING FUNCTION TO SCHEDULE THREADS RUNNING IN MULTIPLE	United States Of America	08 Mar 2008	11/371638	15 Mar 2007	2007/0061809		
38801-US-PAT	ADAPTIVE PARTITIONING FOR OPERATING SYSTEM	United States Of America	31 Aug 2005	11/216795	14 Sep 2006	0206/0206887	26 Feb 2013	8397052
38801-US-PRV	ADAPTIVE PARTITIONING FOR OPERATING SYSTEM	United States Of America	14 Mar 2005	06/562070				
38802-US-PAT	SYSTEM FOR EMPLOYING FAST BOOTING OF APPLICATION PROGRAMS	United States Of America	21 Mar 2006	11/382653	14 Dec 2006	0206/0282654	15 Sep 2009	7580839
38802-US-PRV	SYSTEM FOR EMPLOYING FAST BOOTING OF APPLICATION PROGRAMS	United States Of America	22 Mar 2006	06/564424	24 May 2007	2007/0118360		
38803-US-PAT	IN-SITU VOICE REINFORCEMENT SYSTEM	United States Of America	22 Nov 2005	11/287089	14 Jun 2007	2007/0138055		
38805-US-PAT	SIGNAL PROCESSING SYSTEM FOR TONAL NOISE ROBUSTNESS	United States Of America	13 Dec 2005	11/301876	23 Nov 2006	0206/026315	27 Aug 2013	8520861
38805-US-PAT	SIGNAL PROCESSING SYSTEM FOR TONAL NOISE ROBUSTNESS	Canada	12 Apr 2006	2607169				
38805-US-PAT	SIGNAL PROCESSING SYSTEM FOR TONAL NOISE ROBUSTNESS	United States Of America	17 May 2005	11/131150	23 Nov 2006	0206/026315		
38805-WO-PCT	SIGNAL PROCESSING SYSTEM FOR TONAL NOISE ROBUSTNESS	International Procedure	12 Apr 2006	PCT/CA2/06/0065	12 Oct 2007	2006/122398		
38806-CN-PCT	SPEECH END-POINTER	China	03 Apr 2006	2575632			08 Jan 2013	2575632
38806-CN-PCT	SPEECH END-POINTER	China	03 Apr 2006	200600002746.6	05 Sep 2007	101031958		
38806-EP-EPT	SPEECH END-POINTER	European Procedure	03 Apr 2006	06/21786.1	11 Apr 2007	1771840	16 May 2012	200600002746.6
38806-EP-FOD	SPEECH END-POINTER	European Procedure	14 Dec 2010	2010/278673	02 Jun 2011	2011-107715	02 Aug 2013	5391784
38806-JP-PCT	SPEECH END-POINTER	Japan	03 Apr 2006	2007-524151				
38806-US-CIP	SPEECH END-POINTER	United States Of America	03 Apr 2006	11/804833	13 Dec 2007	2007/0288238	24 Apr 2012	8166880
38806-US-CIP 21	SYSTEM FOR DETECTING SPEECH WITH BACKGROUND VOICE ESTIMATES AND NOISE ESTIMATES	United States Of America	26 Mar 2008	12/079176	18 Sep 2008	2008/0228478	13 May 2012	8311819
38806-US-CIP 22	SPEECH END-POINTER	United States Of America	25 Apr 2012	13/458886	08 Oct 2013	2012/056530	08 Oct 2013	8554564
38806-US-CNT 21	SYSTEM FOR DETECTING SPEECH WITH BACKGROUND VOICE ESTIMATES AND NOISE ESTIMATES	United States Of America	29 Nov 2012	13/560366	23 Nov 2012	2012/0303866	04 Jun 2013	8457861
38806-US-PAT	SPEECH END-POINTER	United States Of America	15 Jun 2005	11/152922	21 Dec 2006	0206/0287859	01 May 2012	8170875
38806-WO-PCT	SPEECH END-POINTER	International Procedure	03 Apr 2006	PCT/CA2/06/0065	21 Dec 2006	0206/0287859		
38807-CN-PAT	FILE SYSTEM STORING TRANSACTION RECORDS IN A STORAGE MEDIA	China	09 Jun 2006	2549917	01 Jan 2007	2549917	20 Aug 2013	2549917
38807-CN-PAT	FILE SYSTEM STORING TRANSACTION RECORDS IN FLASH-LIKE MEDIA	China	23 Jun 2006	200610093180.8	20 Jun 2007	1983286	11 May 2011	200610093180.8
38807-DE-EPA	FILE SYSTEM STORING TRANSACTION RECORDS IN FLASH-LIKE MEDIA	Germany	22 Jun 2006	06012872.5	03 Jan 2007	1739935	23 Jan 2013	1739935
38807-EP-EPA	FILE SYSTEM STORING TRANSACTION RECORDS IN FLASH-LIKE MEDIA	European Procedure	22 Jun 2006	06012872.5	03 Jan 2007	1739935	23 Jan 2013	1739935
38807-EP-EPA	FILE SYSTEM STORING TRANSACTION RECORDS IN FLASH-LIKE MEDIA	European Procedure	22 Jun 2006	06012872.5	03 Jan 2007	1739935	23 Jan 2013	1739935
38807-EP-EPA	FILE SYSTEM STORING TRANSACTION RECORDS IN FLASH-LIKE MEDIA	United Kingdom	22 Jun 2006	06012872.5	03 Jan 2007	1739935	23 Jan 2013	1739935
38807-US-PAT	FILE SYSTEM STORING TRANSACTION RECORDS IN FLASH-LIKE MEDIA	United States Of America	01 Jul 2005	11/173994	04 Jan 2007	2007/0005874		

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38808-CA-DIV	OPTIMIZED STARTUP VERIFICATION OF FILE SYSTEM INTEGRITY	Canada	07 May 2003	2618472	01 Jun 2007	26560974	
38808-DE-EPA	OPTIMIZED STARTUP VERIFICATION OF FILE SYSTEM INTEGRITY	Germany	22 Jun 2006	06012874.1	17 Jun 2007	1744247	17 Apr 2013 662006035683 8
38808-FR-EPA	OPTIMIZED STARTUP VERIFICATION OF FILE SYSTEM INTEGRITY	France	22 Jun 2006	06012874.1	17 Jun 2007	1744247	17 Apr 2013 1744247
38808-GB-EPA	OPTIMIZED STARTUP VERIFICATION OF FILE SYSTEM INTEGRITY	United Kingdom	22 Jun 2006	06012874.1	17 Jun 2007	1744247	17 Apr 2013 1744247
38808-US-CNT	OPTIMIZED STARTUP VERIFICATION OF FILE SYSTEM INTEGRITY	United States Of America	02 Jun 2006	06012874.1	17 Jul 2007	1744247	01 Nov 2011 8651114
38808-US-CNT	OPTIMIZED STARTUP VERIFICATION OF FILE SYSTEM INTEGRITY	United States Of America	30 Aug 2011	19221602	22 Dec 2011	20110315915983	28 Jun 2011 7970803
38808-US-PAT	OPTIMIZED STARTUP VERIFICATION OF FILE SYSTEM INTEGRITY	United States Of America	01 Jul 2005	117173798	04 Jan 2007	200710073060	02 Apr 2013 8412755
38809-US-PAT	OPTIMIZED STARTUP VERIFICATION OF FILE SYSTEM INTEGRITY	United States Of America	29 Nov 2010	122959524	24 Mar 2011	20110315915983	18 Jan 2011 7873883
38809-US-PRV	DYNAMIC DE FRAGMENTATION OF LOG-STRUCTURED OR TRANSACTION FILE SYSTEMS	United States Of America	01 Jul 2005	607595441	04 Jan 2007	2007100058934	13 Apr 2013 7698495
38810-US-PAT	COMPUTER SYSTEM HAVING LOGICALLY ORDERED CACHE MANAGEMENT	United States Of America	09 Jun 2006	117450140	04 Jan 2007	2007100058934	
38810-US-PRV	FILE SYSTEM HAVING TRANSACTION RECORD COALESCING	United States Of America	01 Jul 2005	607595441	04 Jan 2007	2007100058934	
38811-US-PAT	SYSTEM EMPLOYING DATA VERIFICATION OPERATIONS OF DEFERRING COMPUTATIONAL COSTS	United States Of America	28 Jun 2006	117478284	17 May 2007	2007011313120	27 Apr 2013 7707480
38812-CA-PAT	ELIMINATION OF REDUNDANT ERROR-CORRECTING CODES IN FLASH MEMORY STORAGE MANAGEMENT	Canada	07 Jul 2006	26466493			
38812-DE-EPA	FILE SYSTEM HAVING DEFERRED VERIFICATION OF DATA INTEGRITY	Germany	22 Jun 2006	06012871.7	01 Jan 2007	26466493	17 Apr 2013 662006035681 1
38812-FR-EPA	FILE SYSTEM HAVING DEFERRED VERIFICATION OF DATA INTEGRITY	France	22 Jun 2006	06012871.7	17 Jan 2007	1744246	17 Apr 2013 1744246
38812-GB-EPA	FILE SYSTEM HAVING DEFERRED VERIFICATION OF DATA INTEGRITY	United Kingdom	22 Jun 2006	06012871.7	17 Jan 2007	1744246	17 Apr 2013 1744246
38812-NL-EPA	FILE SYSTEM HAVING DEFERRED VERIFICATION OF DATA INTEGRITY	Netherlands	22 Jun 2006	06012871.7	17 Jan 2007	1744246	17 Apr 2013 1744246
38812-US-PAT	FILE SYSTEM HAVING DEFERRED VERIFICATION OF DATA INTEGRITY	United States Of America	01 Jul 2005	117173808	04 Jan 2007	2007100056114	05 Oct 2010 17909777
38813-CA-PAT	FILE SYSTEM HAVING INVERTED HIERARCHICAL STRUCTURE	Canada	23 Jun 2006	2650871	01 Jan 2007	2650871	13 Aug 2013 2650871
38813-FR-EPA	FILE SYSTEM HAVING DEFERRED VERIFICATION OF DATA INTEGRITY	European Procedure	23 Jun 2006	060129933.0	03 Jan 2007	17299575	
38813-US-PAT	FILE SYSTEM HAVING INVERTED HIERARCHICAL STRUCTURE	United States Of America	01 Jul 2005	117173845	04 Jan 2007	2007000056114	
38814-CA-PAT	ADVANCED PERIODIC SIGNAL ENHANCEMENT	Canada	15 Dec 2006	2571417	23 Jun 2007	2571417	
38814-US-CIP	ADVANCED PERIODIC SIGNAL ENHANCEMENT	Japan	15 Dec 2006	2506-316581	05 Jul 2007	2007-171961	
38815-DE-EPA	SYSTEM FOR IMPROVING SPEECH INTELLIGIBILITY THROUGH HIGH FREQUENCY COMPRESSION	United States Of America	23 Dec 2005	11317762	22 Jun 2006	20060198199	11 May 2013 7716046
38815-FR-EPA	SYSTEM FOR IMPROVING SPEECH INTELLIGIBILITY THROUGH HIGH FREQUENCY COMPRESSION	European Procedure	23 Dec 2005	11317762	09 Jun 2010	25069221	19 Feb 2013 25069221
38815-GB-DIV	SYSTEM FOR IMPROVING SPEECH INTELLIGIBILITY THROUGH HIGH FREQUENCY COMPRESSION	Japan	01 Feb 2011	2011-20254			
38815-JP-PAT	SYSTEM FOR IMPROVING SPEECH INTELLIGIBILITY THROUGH HIGH FREQUENCY COMPRESSION	Japan	29 Nov 2006	2006-321498	21 Jul 2011	2011-141551	
38815-KR-PAT	SYSTEM FOR IMPROVING SPEECH INTELLIGIBILITY THROUGH HIGH FREQUENCY COMPRESSION	South Korea / Republic of	30 Nov 2006	10-2007-0119848	13 Jun 2007	2007-164169	27 Jun 2008 0843926
38815-US-CIP	SYSTEM FOR IMPROVING SPEECH INTELLIGIBILITY THROUGH HIGH FREQUENCY COMPRESSION	United States Of America	09 Dec 2005	11298163	26 Oct 2006	20060241938	27 Dec 2011 6086451
38815-US-CNT	SYSTEM FOR IMPROVING SPEECH INTELLIGIBILITY THROUGH HIGH FREQUENCY COMPRESSION	United States Of America	23 Dec 2011	133561419	18 Apr 2012	20120095759	10 Jul 2012 8219389
38816-CA-PAT	ADAPTIVE FILTER FOR PITCH EXTRACTION	Canada	29 Nov 2006	2569223	09 Jun 2007	2569223	15 Jan 2013 2569223
38816-DE-EPA	ADAPTIVE FILTER FOR PITCH EXTRACTION	Germany	28 Nov 2006	06024653.5	13 Jun 2007	1796078	07 Jan 2009 1796078
38816-FR-EPA	ADAPTIVE FILTER FOR PITCH EXTRACTION	France	28 Nov 2006	06024653.5	13 Jun 2007	1796078	07 Jan 2009 1796078
38816-GB-EPA	ADAPTIVE FILTER FOR PITCH EXTRACTION	United Kingdom	28 Nov 2006	06024653.5	13 Jun 2007	1796078	07 Jan 2009 1796078
38816-US-CIP	ADAPTIVE FILTER FOR PITCH EXTRACTION	United States Of America	09 Dec 2005	11298162	05 May 2006	200600985256	24 May 2011 17949320
38817-CA-PAT	BANDWIDTH EXTENSION OF NARROWBAND SPEECH	Canada	11 May 2011	13105612	10 Nov 2011	20110276324	03 Apr 2012 8150882
38817-GB-PAT	BANDWIDTH EXTENSION OF NARROWBAND SPEECH	United States Of America	23 Jun 2007	2570750	27 Jun 2007	2570750	05 Feb 2013 2570750
38817-US-PAT	BANDWIDTH EXTENSION OF NARROWBAND SPEECH	China	25 Dec 2006	2006101699950.2			
38818-CA-PAT	CLOCK SYNCHRONIZATION OF DATA STREAMS	United States Of America	03 Jul 2007	2593073	28 Jun 2007	200701502859	09 Jun 2008 7546237
38818-US-PAT	CLOCK SYNCHRONIZATION OF DATA STREAMS	Canada	16 Aug 2006	117503448	16 Feb 2006	20060503073	02 Feb 2010 7657866
38819-CA-PAT	SYSTEM FOR CONFIGURING SWITCHES IN A NETWORK	United States Of America	20 Oct 2006	2664673	21 Feb 2009	200900402376	15 Nov 2011 2664673
38819-FR-PAT	SYSTEM FOR CONFIGURING SWITCHES IN A NETWORK	India	22 Oct 2008	19392/CH/2005	28 Apr 2007	2664673	
38819-KR-DIV	SYSTEM FOR CONFIGURING SWITCHES IN A NETWORK	South Korea / Republic of	28 Oct 2008	10-2008-0070978			
38819-US-PAT	SYSTEM FOR CONFIGURING SWITCHES IN A NETWORK	United States Of America	28 Oct 2005	112623804	11 Sep 2008	20080082564	08 May 2009 0697966
38821-CA-PAT	FILE SYSTEM HAVING VARIABLE LOGICAL STORAGE BLOCK SIZE	Canada	08 Aug 2007	2596434	03 May 2007	20070097881	16 Mar 2010 7690781
					25 Feb 2008	2596434	24 Jul 2012 2596434

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38821-EP-EPA	FILE SYSTEM HAVING VARIABLE LOGICAL STORAGE BLOCK SIZE	European Procedure	09 Aug 2007	07015731-8	05 Mar 2008	1895334	
38821-IN-PAT	FILE SYSTEM HAVING VARIABLE LOGICAL STORAGE BLOCK SIZE	India	09 Aug 2007	18271CHE/2007			
38821-US-PAT	FILE SYSTEM HAVING VARIABLE LOGICAL STORAGE BLOCK SIZE	United States Of America	26 Aug 2008	11/510174	28 Feb 2008	2008/0052339	06 Oct 2008 7598972
38821-US-REV	FILE SYSTEM HAVING VARIABLE LOGICAL STORAGE BLOCK SIZE	United States Of America	26 Oct 2010	90/011299	04 Nov 2007	2585640	05 Jun 2012 7598972
38822-IN-PAT	SYSTEM EXECUTING A FAST BOOT WAKE-UP	Canada	27 Apr 2007	2585640			02 Oct 2012 2585640
38822-US-PAT	SYSTEM EXECUTING A FAST BOOT WAKE-UP	India	27 Apr 2007	905/CHE/2007			
38822-US-PAT	MULTIMEDIA SYSTEM FRAMEWORK HAVING LAYER CONSOLIDATING ACCESS TO MULTIPLE MEDIA DEVICES	United States Of America	04 May 2006	11/418481	08 Nov 2007	2007/0260867	24 Nov 2009 7624266
38823-CN-PAT	MULTIMEDIA SYSTEM FRAMEWORK HAVING LAYER CONSOLIDATING ACCESS TO MULTIPLE MEDIA DEVICES	China	22 Aug 2007	2589349			
38823-EP-EPA	MULTIMEDIA SYSTEM FRAMEWORK HAVING LAYER CONSOLIDATING ACCESS TO MULTIPLE MEDIA DEVICES	European Procedure	26 Aug 2007	2007/0146512.7	25 Feb 2008	25089349	
38823-IN-PAT	MULTIMEDIA SYSTEM FRAMEWORK HAVING LAYER CONSOLIDATING ACCESS TO MULTIPLE MEDIA DEVICES	India	17 Aug 2007	070159101.8	03 Sep 2008	101256586	
38823-US-PAT	MULTIMEDIA SYSTEM FRAMEWORK HAVING LAYER CONSOLIDATING ACCESS TO MULTIPLE MEDIA DEVICES	United States Of America	31 Aug 2007	11/765258	05 Mar 2008	1889454	05 Apr 2013 255934
38823-US-REV	MULTIMEDIA SYSTEM FRAMEWORK HAVING LAYER CONSOLIDATING ACCESS TO MULTIPLE MEDIA DEVICES	United States Of America	30 Jan 2007	11/689709	11 Sep 2003	1839/CHE/2007	
38824-US-PAT	TRANSIENT NOISE REMOVAL SYSTEM USING WAVELETS	United States Of America	19 Jun 2007	11/757768	06 Mar 2008	2008/0035910	
38825-US-CIP	SUB-BAND PERIODIC SIGNAL ENHANCEMENT SYSTEM	United States Of America	04 Jun 2007	11/757768	03 Jan 2008	2008/0004868	11 Jan 2011 7868994
38826-CN-PAT	ROBUST NOISE ESTIMATION	China	18 Apr 2007	25859225	12 Nov 2007	25859225	06 Nov 2012 8306921
38826-EP-EPA	ENHANCEMENT SYSTEM AND METHOD FOR ESTIMATING NOISE FROM RECEIVED SIGNAL	European Procedure	08 May 2007	2007/0102993.3	14 Nov 2007	151071567	16 Oct 2012 25859225
38826-US-CNT1	ROBUST NOISE ESTIMATION	United States Of America	30 Apr 2007	07008731.1	14 Nov 2007	1885272	30 Nov 2011 250710102993.3
38826-US-CNT2	ROBUST NOISE ESTIMATION	United States Of America	17 Nov 2010	12/918121			
38826-US-CNT3	ROBUST NOISE ESTIMATION	United States Of America	09 Dec 2011	13/019836	17 Mar 2011	2011/0086430	13 Dec 2011 8678461
38826-US-CNT4	VOICE ACTIVITY DETECTOR	United States Of America	13 Aug 2012	13/584076	29 Nov 2012	2012/0078620	04 Sep 2012 8628012
38826-US-PAT	ROBUST NOISE ESTIMATION	United States Of America	22 Dec 2008	11/644414	15 Nov 2007	2007/0285843	12 Feb 2013 8374861
38826-US-REV	ROBUST NOISE ESTIMATION	United States Of America	12 May 2008	60/800221			30 Nov 2010 7844453
38827-US-CNT	FILESYSTEM HAVING A FILENAME CACHE	United States Of America	03 Dec 2010	12/360197	31 Mar 2011	2011/0078219	24 Jul 2011 7587190
38827-US-CNT2	FILESYSTEM HAVING A FILENAME CACHE	United States Of America	10 Jun 2011	13/158108	06 Oct 2011	2011/0246477	21 Feb 2012 8122178
38827-US-PAT	FILESYSTEM HAVING A FILENAME CACHE	United States Of America	13 Mar 2007	11/717583	18 Sep 2008	2008/0228843	15 Mar 2011 7908276
38827-US-REV	FILE SYSTEM HAVING A FILENAME CACHE	Canada	28 Aug 2008	60/840654			
38828-CN-PAT	MULTIMEDIA FILE SYSTEM HAVING UNIFIED REPRESENTATION OF CONTENT ON DIVERSE MULTIMEDIA DEVICES	China	22 Aug 2007	2589312			
38828-EP-EPA	MULTIMEDIA FILE SYSTEM HAVING UNIFIED REPRESENTATION OF CONTENT ON DIVERSE MULTIMEDIA DEVICES	European Procedure	13 Aug 2007	07015915.7	25 Feb 2008	2589312	
38828-US-PAT	MULTIMEDIA FILE SYSTEM HAVING UNIFIED REPRESENTATION OF CONTENT ON DIVERSE MULTIMEDIA DEVICES	United States Of America	13 Mar 2007	11/717601	12 Mar 2008	1898932	
38829-US-REV	MULTIMEDIA FILE SYSTEM HAVING UNIFIED REPRESENTATION OF CONTENT ON DIVERSE MULTIMEDIA DEVICES	United States Of America	01 Sep 2008	60/841804	28 Feb 2008	2008/0052323	22 Oct 2013 8565503
38829-US-PAT	DISTRIBUTED INTELLIGIBILITY TESTING SYSTEM	United States Of America	13 Sep 2007	11/884728	19 Mar 2009	2009/0074199	05 Jun 2012 8193453
38830-US-CIP	HIGH FREQUENCY COMPRESSION INTERACTION	United States Of America	22 Dec 2008	11/646079	26 Jun 2007	2007/0174050	21 Aug 2012 8249861
38831-US-CIP	MULTI-OHANNEL PERIODIC SIGNAL ENHANCEMENT SYSTEM	United States Of America	31 Aug 2007	11/849003	24 Jan 2008	2008/0019937	24 Sep 2013 8543390
38832-CN-PAT	SYSTEM FOR ACCESSING MULTIMEDIA FILES FROM STORAGE DEVICES	China	07 Dec 2007	2613924	14 Jun 2008	2613924	
38832-IN-PAT	MEDIA SYSTEM HAVING SYNCHRONIZATION WITH PREEMPTIVE PRIORITIZATION OF SYNCHRONIZATION ORDER	India	14 Dec 2007	2007/0198862.X	23 Jul 2008	101228550	18 Jul 2012 200710198862.X
38832-US-DIV	SYSTEM FOR ACCESSING MULTIMEDIA FILES FROM STORAGE DEVICES	Japan	15 Nov 2011	2011-249835	31 May 2012	2012-104123	18 Jan 2013 5186356
38832-US-PAT	SYSTEM FOR ACCESSING MULTIMEDIA FILES FROM STORAGE DEVICES	Japan	07 Dec 2007	2007-317757	03 Jul 2008	2008-152772	17 May 2013 5268195
38832-US-PAT	MEDIA SYSTEM HAVING SYNCHRONIZATION WITH PREEMPTIVE PRIORITIZATION OF SYNCHRONIZATION ORDER	United States Of America	04 Dec 2007	11/950242	19 Jun 2008	2008/0147747	
38833-US-PAT	SYSTEM FOR ACCESSING MULTIMEDIA FILES FROM STORAGE DEVICES	United States Of America	13 Dec 2007	2007-352492			
38833-US-REV	SYSTEM FOR CHOOSING A MEDIA FILE FOR PLAYBACK FROM MULTIPLE FILES HAVING SUBSTANTIALLY SIMILAR KARAOKE SYSTEM	Japan	14 Dec 2008	60/875180	09 Jul 2008	2008-1622859	13 Aug 2013 8510301
38833-US-PAT	SYSTEM FOR CHOOSING A MEDIA FILE FOR PLAYBACK FROM MULTIPLE FILES HAVING SUBSTANTIALLY SIMILAR KARAOKE SYSTEM	United States Of America	29 Nov 2007	11/947386	19 Jun 2008	2008/0147739	
38834-US-PAT	NOISE REDUCTION WITH INTEGRATED TONAL NOISE REDUCTION	United States Of America	14 Dec 2008	60/875222	06 May 2010	2010/0107856	19 Aug 2011 7598107
38834-US-REV	NOISE REDUCTION WITH INTEGRATED TONAL NOISE REDUCTION	United States Of America	03 Nov 2008	12/284190			
38835-IN-PAT	NOISE REDUCTION WITH INTEGRATED TONAL NOISE REDUCTION	India	24 Jul 2008	1779/CHE/2008	25 Jan 2009	200828285	18 Jun 2013 2638265
38835-US-PAT	NOISE REDUCTION WITH INTEGRATED TONAL NOISE REDUCTION	United States Of America	26 Dec 2007	11/861715	10 Jul 2008	2008/0161870	16 Jul 2013 8483936
38836-US-REV	SPECTRO-TEMPORAL VARYING APPROACH FOR SPEECH ENHANCEMENT	United States Of America	23 Jul 2007	60/951922			
38836-US-PAT	SPECTRO-TEMPORAL VARYING APPROACH FOR SPEECH ENHANCEMENT	United States Of America	04 Jan 2007	11/861881	10 Jul 2008	2008/0161866	08 Jan 2013 8352257
38836-WO-PCT	SPECTRO-TEMPORAL VARYING APPROACH FOR SPEECH ENHANCEMENT	International Procedure	21 Dec 2007	PCT/US2007/8854			
38837-US-CNT	FAST ACOUSTIC CANCELLATION	United States Of America	30 Sep 2011	13/292049	26 Jan 2012	2012/0020499	03 Apr 2012 8150681
38837-US-PAT	FAST ACOUSTIC CANCELLATION	United States Of America	29 Jun 2007	11/771258	13 Nov 2008	2008/0281584	11 Oct 2011 8038873

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38837-US-PAT	FAST ACOUSTIC CANCELLATION	United States Of America	07 May 2007	65/516493	20 May 2008	6208/0285773	21 May 2013	8447044
38838-US-PAT	ADAPTIVE LPC NOISE REDUCTION SYSTEM	United States Of America	17 May 2007	1/804877	06 Aug 2009	6209/0198492	18 Jun 2013	8468019
38839-US-PAT	ADAPTIVE NOISE MODELING SPEECH RECOGNITION SYSTEM	United States Of America	31 Jan 2008	12/023481	22 Sep 2011	6201/0281195	12 Jun 2012	8200499
38840-US-CNT	HIGH-FREQUENCY BANDWIDTH EXTENSION IN THE TIME DOMAIN	United States Of America	18 Mar 2011	13/026125	28 Aug 2009	6208/0208872	22 Mar 2011	7912729
38840-US-PAT	HIGH-FREQUENCY BANDWIDTH EXTENSION IN THE TIME DOMAIN	United States Of America	04 Jun 2007	1/1809952				
38840-US-PRV	HIGH-FREQUENCY BANDWIDTH EXTENSION IN THE TIME DOMAIN	United States Of America	23 Feb 2007	60/953979				
38840-WO-CIT	HIGH-FREQUENCY BANDWIDTH EXTENSION IN THE TIME DOMAIN	International Procedure	15 Feb 2008	IPC/CAN/08/0003				
38841-US-PAT	DYNAMIC SILENCE DETECTION AND NOTIFICATION SYSTEM	United States Of America	15 Jan 2008	12/014486	16 Jul 2009	6209/0179774	07 Sep 2010	7791499
38842-US-CNT	PROCESSING SYSTEM HAVING EMERGING VARIABLE PAGE SIZE MEMORY ORGANIZATION USING A MULTIPLE PAGE	United States Of America	01 Feb 2011	13/016492	26 May 2011	6201/0125983	04 Dec 2012	8227112
38842-US-PAT	PROCESSING SYSTEM HAVING EMERGING VARIABLE PAGE SIZE MEMORY ORGANIZATION USING A MULTIPLE PAGE	United States Of America	01 Feb 2011	13/016492				
38843-IN-PAT	PROCESSING SYSTEM IMPLEMENTING VARIABLE PAGE SIZE MEMORY	India	11 Jul 2008	1/1768348				
38843-US-PAT	PROCESSING SYSTEM IMPLEMENTING VARIABLE PAGE SIZE MEMORY ORGANIZATION	United States Of America	11 Jul 2008	1639/CH/2008				
38844-US-PAT	PROCESSING SYSTEM IMPLEMENTING VARIABLE PAGE SIZE MEMORY ORGANIZATION	United States Of America	12 Jul 2007	1/1776970	15 Jan 2009	6209/0019254	24 Aug 2010	7768859
38845-US-PAT	PROCESSING SYSTEM HAVING A SUPPORTED PAGE SIZE INFORMATION REGISTER	United States Of America	12 Jul 2007	1/1776970	15 Jan 2009	6209/0019254	07 Sep 2010	7793070
38846-1-US-PAT	PROCESSING SYSTEM HAVING MEMORY PARTITIONING	United States Of America	09 Sep 2008	12/207189	14 May 2009	6209/0125700		
38846-1-US-PRV	PROCESSING SYSTEM HAVING RESOURCE PARTITIONING	United States Of America	11 Sep 2007	60/971452				
38846-US-PAT	PROCESSING SYSTEM HAVING A PARTITIONING COMPONENT FOR RESOURCE PARTITIONING	United States Of America	04 Feb 2008	12/025480	12 Mar 2009	6209/0070789		
38847-EP-EPA	REMOTE ENTRY NAVIGATION SYSTEM	European Procedure	11 Sep 2007	60/971467				
38847-EP-EPO	REMOTE ENTRY NAVIGATION SYSTEM	European Procedure	03 Jul 2008	08/013057_9	14 Jan 2009	62015027		
38847-HK-FPR	REMOTE ENTRY NAVIGATION SYSTEM	Hong Kong	21 May 2012	12/168726_3	05 Sep 2012	6205853		
38847-US-PAT	REMOTE ENTRY NAVIGATION SYSTEM	United States Of America	21 Feb 2013	13/102246_3	28 Jun 2013	1178292		
38849-US-PAT	SYSTEM FOR ENDLESS LOOP SCROLLING AND DISPLAY	United States Of America	11 Jul 2007	1/1776057	15 Jan 2009	6209/0018769	20 Mar 2012	8140896
38849-US-PRV	GRAPHIC USER INTERFACE	United States Of America	26 Mar 2008	12/058541	23 Oct 2008	6208/0263452		
38851-US-CNT	IMPROVING SPEECH INTELLIGIBILITY UTILIZING AN ARTICULATION INDEX	United States Of America	17 Apr 2007	60/912423	07 Feb 2013	62013/0038934	23 Oct 2012	8296136
38851-US-PAT	DYNAMIC CONTROLLER FOR IMPROVING SPEECH INTELLIGIBILITY	United States Of America	10 Oct 2012	13/648845	21 May 2009	6209/0132248		
38852-EP-EPA	DYNAMIC NOISE REDUCTION	European Procedure	15 Nov 2007	1/1940920	06 May 2009	620566286		
38852-EP-DIV	DYNAMIC NOISE REDUCTION	European Procedure	23 Oct 2008	08/018600_0				
38852-JP-PAT	DYNAMIC NOISE REDUCTION	Japan	22 Jun 2012	2012-141111				
38852-US-CIP	SPEECH ENHANCEMENT THROUGH PARTIAL SPEECH RECONSTRUCTION	United States Of America	23 Oct 2008	12/008273648	14 May 2009	6207-104140	24 May 2013	5275748
38852-US-CNT	DYNAMIC NOISE REDUCTION USING LINEAR MODEL FITTING	United States Of America	23 May 2008	12/0126682	30 Apr 2009	6209/0112870	04 Dec 2012	8326816
38852-US-PAT	DYNAMIC NOISE REDUCTION USING LINEAR MODEL FITTING	United States Of America	25 Aug 2011	13/1217817	09 Feb 2012	62012/0039421		
38853-CA-PCT	VIDEO PHONE SYSTEM	Canada	24 Oct 2007	1/1923958	30 Apr 2009	6209/0112884	06 Sep 2011	8015002
38853-US-CNT	VIDEO PHONE SYSTEM	United States Of America	04 May 2012	13/648422	30 Aug 2012	62012/0218375	15 Oct 2013	8358867
38853-US-CNT 21	VIDEO PHONE SYSTEM	United States Of America	04 May 2012	13/648437	30 Aug 2012	62012/0221414		
38853-US-PAT	VIDEO PHONE SYSTEM	United States Of America	05 Aug 2008	12/186264	12 Feb 2009	6209/0040289	05 Jun 2012	8194117
38853-US-PRV	VIDEO PHONE SYSTEM	United States Of America	08 Aug 2007	60/984988				
38853-WO-PCT	VIDEO PHONE SYSTEM	International Procedure	07 Aug 2008	IPC/CAN/08/0014				
38854-EP-EPA	SYSTEM HAVING USER INTERFACE USING OBJECT SELECTION AND GESTURES	European Procedure	16 Oct 2006	06/018161_1	22 Apr 2008	62051160		
38854-US-PAT	SYSTEM HAVING USER INTERFACE USING OBJECT SELECTION AND GESTURES	United States Of America	28 Feb 2008	12/039874	23 Apr 2009	6209/0102806	18 Dec 2012	8334847
38854-US-PRV	SYSTEM HAVING USER INTERFACE USING OBJECT SELECTION AND GESTURES	United States Of America	19 Oct 2007	60/981864				
38856-EP-EPA	SYSTEM COMPOSING IMAGES FROM MULTIPLE APPLICATIONS	European Procedure	18 Oct 2008	08/018178_7	22 Apr 2009	62051236	01 May 2012	8169449
38856-US-PAT	SYSTEM COMPOSING IMAGES FROM MULTIPLE APPLICATIONS	United States Of America	25 Feb 2009	12/036909	23 Apr 2009	6209/0102861		
38856-US-PRV	SYSTEM COMPOSING IMAGES FROM MULTIPLE APPLICATIONS	United States Of America	19 Oct 2007	60/981924				
38856-US-CNT	SYSTEM COMPOSING IMAGES FROM MULTIPLE APPLICATIONS	United States Of America	19 Oct 2007	60/981924				
38856-US-PAT	SYSTEM COMPOSING IMAGES FROM MULTIPLE APPLICATIONS	United States Of America	29 Oct 2008	12/280701	06 Aug 2009	6209/0195556	11 Dec 2012	8330774
38857-US-PRV	SYSTEM COMPOSING IMAGES FROM MULTIPLE APPLICATIONS	United States Of America	02 Nov 2007	60/985047				
38857-US-PAT	SYSTEM HAVING USER INTERFACE USING A MOTION BASED OBJECT SELECTION AND MOUSE MOVEMENT	United States Of America	28 Feb 2008	12/039876	07 May 2009	6209/0115736	30 Jul 2013	8497842
38858-US-PRV	SYSTEM HAVING USER INTERFACE USING A MOTION BASED OBJECT SELECTION AND MOUSE MOVEMENT	United States Of America	02 May 2007	60/985053				
38859-US-PAT	REMOTE CONTROL SERVER PROTOCOL	United States Of America	27 Mar 2008	12/056818	19 Mar 2009	6209/0076824		
38859-US-PRV	REMOTE CONTROL SERVER PROTOCOL	United States Of America	17 Sep 2007	60/973131				
38859-US-PAT	ROBUST NOISE DETECTION FOR HEAD-WEARABLE AUTOMATIC GAIN CONTROL	United States Of America	10 Dec 2007	11/983829	11 Jun 2008	6209/0156144	27 Aug 2013	8620659
38860-US-CNT	SYSTEM FOR COMFORT NOISE INJECTION	United States Of America	06 Jul 2012	13/0173231				
38860-US-PAT	SYSTEM FOR COMFORT NOISE INJECTION	United States Of America	30 Oct 2007	1/1933068	30 Apr 2009	6209/0118209	20 Mar 2012	8139777
38861-US-CNT	USER WITH ADAPTIVE POST-FILTERING	United States Of America	20 Dec 2011	13/331753	10 May 2012	62012/0114129	23 Jul 2013	8499479

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38861-US-CNT 21	MIXER WITH ADAPTIVE POST-FILTERING	United States Of America	21 Jun 2013	13/264139	24 Oct 2013	2013/0279716		
38861-US-PAT	MIXER WITH ADAPTIVE POST-FILTERING	United States Of America	04 Nov 2008	12/284791	07 May 2009	2009/0118661	21 Feb 2012	8121311
38861-US-PRV	MIXER WITH ADAPTIVE POST-FILTERING	Canada	05 Nov 2007	60/965557				
38862-US-PAT	SUB-BAND PROCESSING COMPLEXITY REDUCTION	European Procedure	27 Jun 2011	1279707	29 Jul 2011	2279707		
38862-EP-EPA	SUB-BAND PROCESSING COMPLEXITY REDUCTION	European Procedure	24 Jan 2011	11161856.9	10 Aug 2011	2365034		
38862-US-CNT	SUB-BAND PROCESSING COMPLEXITY REDUCTION	United States Of America	24 May 2013	13/301741	03 Oct 2013	2013/0257482		
38862-US-PAT	SUB-BAND PROCESSING COMPLEXITY REDUCTION	United States Of America	29 Jan 2010	12/656533	05 Aug 2010	2010/0198603	04 Jun 2013	8457976
38862-US-PRV	SUB-BAND PROCESSING COMPLEXITY REDUCTION	European Procedure	30 Jan 2009	09/159884.8				
38863-EP-EPA	ROBUST DOWNLINK SPEECH AND NOISE DETECTOR	European Procedure	28 Apr 2009	09/159884.8	04 Nov 2009	21133998		
38863-US-CNT	ROBUST DOWNLINK SPEECH AND NOISE DETECTOR	United States Of America	14 Nov 2012	13/676856	21 Mar 2013	2013/0073285		
38863-US-PAT	ROBUST DOWNLINK SPEECH AND NOISE DETECTOR	United States Of America	23 Apr 2009	12/428811	05 Nov 2009	2009/0276213		
38863-US-PRV	ROBUST DOWNLINK SPEECH AND NOISE DETECTOR	United States Of America	30 Apr 2008	61/125949				
38864-US-PAT	PLAYLIST MANAGEMENT SYSTEM	United States Of America	09 Dec 2008	12/634307	17 Jun 2010	2010/0153846		
38864-US-PRV	PLAYLIST MANAGEMENT SYSTEM	Canada	17 Dec 2008	61/1389384				
38865-CA-PAT	SYSTEM FOR MANAGING A COST-CONSTRAINED RESOURCE	European Procedure	13 Apr 2010	2699819	16 Oct 2010	2699819		
38865-EP-EPA	SYSTEM FOR MANAGING AND ARBITRATING FOR COST-CONSTRAINED RESOURCES	European Procedure	14 Apr 2010	10159833.2	03 Nov 2010	2246785		
38865-US-PAT	SYSTEM FOR MANAGING A COST-CONSTRAINED RESOURCE	United States Of America	18 Apr 2009	12/424856	22 Oct 2009	2009/0265486		
38865-US-PRV	SYSTEM FOR MANAGING AN ACCESS-CONSTRAINED RESOURCE	United States Of America	17 Apr 2008	61/045693				
38866-CA-PAT	MEASURING DOUBLE TALK PERFORMANCE	Canada	27 Apr 2010	2701439				
38866-DE-EPA	MEASURING DOUBLE TALK PERFORMANCE	Germany	28 Apr 2010	10161260.4	01 Dec 2010	2257034	03 Oct 2012	662010003026.1
38866-EP-EPA	MEASURING DOUBLE TALK PERFORMANCE	European Procedure	28 Apr 2010	10161260.4	01 Dec 2010	2257034		
38866-FR-EPA	MEASURING DOUBLE TALK PERFORMANCE	France	28 Apr 2010	10161260.4	01 Dec 2010	2257034	03 Oct 2012	2257034
38866-GB-EPA	MEASURING DOUBLE TALK PERFORMANCE	United Kingdom	28 Apr 2010	10161260.4	01 Dec 2010	2257034	03 Oct 2012	2257034
38866-NL-EPA	MEASURING DOUBLE TALK PERFORMANCE	Netherlands	28 Apr 2010	10161260.4	01 Dec 2010	2257034	03 Oct 2012	2257034
38866-US-PAT	MEASURING DOUBLE TALK PERFORMANCE	United States Of America	29 Apr 2009	12/432337	05 Nov 2009	2009/0276220	14 Aug 2012	8244538
38866-US-PRV	MEASURING DOUBLE TALK PERFORMANCE	United States Of America	30 Apr 2008	61/049270				
38867-CA-PAT	MEDIA PROCESSING SYSTEM HAVING RESOURCE PARTITIONING	Canada	13 Apr 2010	2699841	17 Oct 2010	2699841		
38867-EP-EPA	MEDIA PROCESSING SYSTEM HAVING RESOURCE PARTITIONING	European Procedure	16 Apr 2010	10160106.0	20 Oct 2010	2241965		
38867-US-FAT	MEDIA PROCESSING SYSTEM HAVING RESOURCE PARTITIONING	United States Of America	17 Apr 2009	12/425905	17 Sep 2009	2009/0235044	26 Jun 2012	8209514
38867-US-PRV	PROCESSING SYSTEM FOR MEDIA, HAVING RESOURCE PARTITIONING	United States Of America	18 Apr 2008	61/046267				
38868-CA-PAT	SYSTEM HAVING MOVE CLIP OBJECT CONTROLLING AN EXTERNAL NATIVE APPLICATION	Canada	11 Aug 2009	273352	25 May 2011	2324423		
38868-EP-EPA	SYSTEM HAVING MOVE CLIP OBJECT CONTROLLING AN EXTERNAL NATIVE APPLICATION	European Procedure	11 Aug 2009	09786127.2	18 Feb 2010	2010/0040346		
38868-US-PAT	SYSTEM HAVING MOVE CLIP OBJECT CONTROLLING AN EXTERNAL NATIVE APPLICATION	United States Of America	12 Aug 2008	12/190380				
38868-WO-PCT	SYSTEM HAVING MOVE CLIP OBJECT CONTROLLING AN EXTERNAL NATIVE APPLICATION	International Procedure	11 Aug 2009	PCT/182009/0066				
38869-US-PRV	MODEL BASED SPEECH ENHANCEMENT	United States Of America	23 May 2008	61/055851				
38870-US-CIP	SPEECH ENHANCEMENT SYSTEM	United States Of America	22 May 2009	12/471072	19 Nov 2009	2009/0287481	04 Dec 2012	8326614
38870-US-CNT	SPEECH ENHANCEMENT SYSTEM	United States Of America	14 Nov 2012	13/678803	21 Mar 2013	2013/0073584		
38870-US-PRV	SPEECH ENHANCEMENT SYSTEM	Canada	23 May 2008	61/055859				
38871-CA-PAT	AMBIENT NOISE COMPENSATION SYSTEM ROBUST TO HIGH EXCITATION NOISE	Canada	23 Apr 2010	10160902.2	27 Oct 2010	2244234		
38871-EP-EPA	AMBIENT NOISE COMPENSATION SYSTEM ROBUST TO HIGH EXCITATION NOISE	European Procedure	23 Apr 2010	10160902.2	27 Oct 2010	2244234		
38871-US-CNT	AMBIENT NOISE COMPENSATION SYSTEM ROBUST TO HIGH EXCITATION NOISE	United States Of America	14 May 2012	13/678621	21 Mar 2013	2013/0070931		
38871-US-PAT	AMBIENT NOISE COMPENSATION SYSTEM ROBUST TO HIGH EXCITATION NOISE	United States Of America	22 May 2009	12/471093	19 Nov 2009	2009/0287482	18 Dec 2012	8336685
38871-US-PRV	AMBIENT NOISE COMPENSATION SYSTEM ROBUST TO HIGH EXCITATION NOISE	United States Of America	23 May 2008	61/055913				
38872-US-CNT	SPEECH ENHANCEMENT WITH MINIMUM GATING	United States Of America	14 Nov 2012	13/678463	28 Mar 2013	2013/0080156		
38872-US-FAT	SPEECH ENHANCEMENT WITH MINIMUM GATING	United States Of America	22 May 2008	61/055849	26 Nov 2009	2009/0292536		
38872-US-PRV	SPEECH ENHANCEMENT WITH MINIMUM GATING	United States Of America	23 May 2008	61/055849				
38873-EP-EPA	SYSTEM FOR ACCELERATING COMPOSITE GRAPHICS RENDERINGS	European Procedure	31 Mar 2010	10158559.4	29 Oct 2010	2010/0241970		
38873-US-PAT	SYSTEM FOR ACCELERATING COMPOSITE GRAPHICS RENDERINGS	United States Of America	25 Mar 2010	12/731763	07 Oct 2010	2010/0253893		
38873-US-PRV	SYSTEM FOR ACCELERATING COMPOSITE GRAPHICS RENDERINGS	United States Of America	01 Apr 2009	61/165743				
38874-US-CNT	TRACKING PLATFORM KERNEL	United States Of America	12 May 1995	09/140123				
38874-US-PRV	TRACKING PLATFORM KERNEL	Canada	14 Oct 1994	2386871				
38875-CA-PAT	PHOTON WINDOW KERNEL	Canada	14 Oct 1994	2118201				
38875-US-CNT	WINDOW KERNEL	United States Of America	21 Jan 1999	09/010479				
38875-US-PAT	WINDOW KERNEL	United States Of America	14 Oct 1994	09/323554				

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38877-US-CNT	SYMMETRIC MULTI-PROCESSOR SYSTEM	United States Of America	05 Sep 2008	17,515,675	07 Jun 2007	2007,01309567	09 Aug 2011	7596843
38877-US-CNT 21	SYMMETRIC MULTI-PROCESSOR SYSTEM	United States Of America	04 Aug 2011	13,193,461	24 Jun 2011	2011,0289311	29 Oct 2013	8672628
38877-US-PAT	SYMMETRIC MULTI-PROCESSOR SYSTEM	United States Of America	26 Aug 1998	09,383,115	28 Feb 2000	22,459,63	06 Sep 2006	7103831
38878-CA-PAT	DISTRIBUTED KERNEL OPERATING SYSTEM	Canada	26 Aug 1998	22,459,63	28 Feb 2000	22,459,63	27 Oct 2009	22,459,63
38878-US-PAT	DISTRIBUTED KERNEL OPERATING SYSTEM	United States Of America	25 Aug 1998	09,382,563	08 Feb 2007	2007,00339031	24 Jun 2004	6897876
38879-US-CNT	ACOUSTIC SIGNAL CLASSIFICATION SYSTEM	United States Of America	29 Sep 2008	11,540,153	07 Jun 2011	2011,0757267	07 Jun 2011	7597267
38879-US-CNT 21	ACOUSTIC SIGNAL CLASSIFICATION SYSTEM	United States Of America	11 May 2011	13,105,621	01 Sep 2011	2011,02113612	23 Apr 2013	8428945
38879-US-PCT	SOUND SOURCE CLASSIFICATION	United States Of America	30 Aug 1989	09,485,975	06 Mar 2001	2001,16937	03 Oct 2006	7117149
38880-CA-PCT	NOISY ACOUSTIC SIGNAL ENHANCEMENT	Canada	29 Aug 2009	PCT/US/2009/2375				
38880-DE-EPT	ACOUSTIC SIGNAL ENHANCEMENT SYSTEM	Germany	11 Aug 2000	23,821,75	29 May 2002	1208563	23 Feb 2010	23,821,75
38880-EP-EPT	ACOUSTIC SIGNAL ENHANCEMENT SYSTEM	European Procedure	11 Aug 2000	00,955,457.3	29 May 2002	1208563	19 Apr 2008	65027458.1
38880-JP-PCT	ACOUSTIC SIGNAL ENHANCEMENT SYSTEM	Japan	11 Aug 2000	2001-517379			24 Jun 2011	4764995
38880-US-CNT	ACOUSTIC SIGNAL ENHANCEMENT SYSTEM	United States Of America	24 May 2005	11,138,829	06 Oct 2005	2005,0222842	12 Jun 2007	7231347
38880-US-PAT	NOISY ACOUSTIC SIGNAL ENHANCEMENT	United States Of America	16 Aug 1999	09,375,509			23 Apr 2013	8428945
38880-WO-PCT	ACOUSTIC SIGNAL ENHANCEMENT SYSTEM	International Procedure	11 Aug 2000	PCT/US/2000/0222			21 Jun 2005	6910911
38881-US-PAT	ACOUSTIC SIGNAL ENHANCEMENT SYSTEM	United States Of America	22 May 2009	09,576,656	22 Feb 2007	2007,13384	06 Jun 2006	7581199
38882-CA-PCT	ACOUSTIC SOURCE RANGE DETECTION SYSTEM	Canada	02 Oct 2000	23,902,87			25 Mar 2008	23,902,87
38882-US-PAT	METHOD OF ESTIMATING THE DISTANCE OF AN ACOUSTIC SIGNAL	United States Of America	05 Nov 1999	09,676,781			05 Jun 2001	6243322
38882-WO-PCT	METHOD OF ESTIMATING THE DISTANCE OF AN ACOUSTIC SIGNAL	International Procedure	05 Oct 2000	PCT/US/2000/2396				
38884-CA-PAT	SYSTEM THAT PROVIDES EMBEDDED SOFTWARE TO AN EMBEDDED SYSTEM	Canada	19 May 2011	27,408,83	21 Nov 2011	27,408,83	19 Jun 2013	23,555,59
38884-EP-EPA	SYSTEM THAT PROVIDES EMBEDDED SOFTWARE TO AN EMBEDDED SYSTEM	European Procedure	20 May 2011	11,069,998.2	23 Nov 2011	23,886,98	19 Jun 2013	23,555,59
38884-US-PAT	SYSTEM THAT PROVIDES EMBEDDED SOFTWARE TO AN EMBEDDED SYSTEM	United States Of America	21 May 2010	12,765,773	24 Nov 2011	2011,0289493	26 Feb 2013	8386589
38885-CA-PAT	PUBLISH-SUBSCRIBE SYSTEM	Canada	11 May 2011	27,939,49	14 Nov 2011	27,939,49		
38885-EP-EPA	PUBLISH-SUBSCRIBE SYSTEM	European Procedure	13 May 2011	11,168,131.0	16 Nov 2011	23,886,97		
38886-US-PAT	PUBLISH-SUBSCRIBE SYSTEM	United States Of America	14 May 2010	12,780,409	17 Nov 2011	2011,0282921		
38887-CA-PAT	MULTIMEDIA SYSTEM AND CORRESPONDING FRAMEWORK	Canada	25 Aug 2008	60,480,246				
38887-DE-EPA	ENHANCED SPATIALIZATION SYSTEM	Germany	04 Feb 2011	27,310,45	05 Aug 2011	27,310,45		
38887-EP-EPA	ENHANCED SPATIALIZATION SYSTEM	European Procedure	04 Feb 2011	11,153,430.1	10 Aug 2011	23,555,58		
38887-FR-EPA	ENHANCED SPATIALIZATION SYSTEM	France	04 Feb 2011	11,153,433.5				
38887-GB-EPA	ENHANCED SPATIALIZATION SYSTEM	United Kingdom	04 Feb 2011	11,153,433.5				
38887-NL-EPA	ENHANCED SPATIALIZATION SYSTEM	Netherlands	04 Feb 2011	11,153,433.5				
38887-US-PAT	ENHANCED SPATIALIZATION SYSTEM	United States Of America	05 Feb 2010	61,301,761	11 Aug 2011	2011,0194700		
38888-CA-PAT	ENHANCED SPATIALIZATION SYSTEM WITH SATELLITE DEVICE	Canada	04 Feb 2011	27,310,45	05 Aug 2011	27,310,45		
38888-DE-EPA	ENHANCED SPATIALIZATION SYSTEM WITH SATELLITE DEVICE	Germany	04 Feb 2011	11,153,433.5	10 Aug 2011	23,555,59	19 Jun 2013	60,201,020,39.0
38888-EP-EPA	ENHANCED SPATIALIZATION SYSTEM WITH SATELLITE DEVICE	European Procedure	04 Feb 2011	11,153,433.5	10 Aug 2011	23,555,59	19 Jun 2013	23,555,59
38888-FR-EPA	ENHANCED SPATIALIZATION SYSTEM WITH SATELLITE DEVICE	France	04 Feb 2011	11,153,433.5				
38888-GB-EPA	ENHANCED SPATIALIZATION SYSTEM WITH SATELLITE DEVICE	United Kingdom	04 Feb 2011	11,153,433.5				
38888-NL-EPA	ENHANCED SPATIALIZATION SYSTEM WITH SATELLITE DEVICE	Netherlands	04 Feb 2011	11,153,433.5				
38888-US-PAT	ENHANCED SPATIALIZATION SYSTEM WITH SATELLITE DEVICE	United States Of America	05 Feb 2010	61,301,745	11 Aug 2011	2011,0194704		
38889-EP-EPA	SYNCHRONIZATION OF VIDEO PRESENTATION BY VIDEO CADENCE MODIFICATION	European Procedure	13 Dec 2010	10,194,710.9	15 Jun 2011	23,540,49		
38891-US-PAT	SYNCHRONIZATION OF VIDEO PRESENTATION BY VIDEO CADENCE MODIFICATION	United States Of America	14 Dec 2008	12,637,226	16 Jun 2011	2011,0141355	02 Oct 2012	8279344
38892-US-CNT	SYSTEM THAT DETECTS AND IDENTIFIES PERIODIC INTERFERENCE	United States Of America	11 Apr 2012	13,444,182	02 Aug 2012	2012,0197639	07 May 2013	8438022
38892-US-PCT	SYSTEM THAT DETECTS AND IDENTIFIES PERIODIC INTERFERENCE	United States Of America	21 Feb 2008	12,607,098	27 Aug 2009	2009,0216530	15 May 2012	8180834
39490-1-CA-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Canada	23 Sep 2011	22,782,77				
39490-1-CN-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	China	23 Sep 2011	2011,600,220,020.3	03 Jan 2013	10,287,007,6		
39490-1-DE-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Germany	23 Sep 2011	PCT/CA/2011/00110	14 Mar 2012	11,201,110,206		
39490-1-EP-EPA	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	European Procedure	23 Sep 2011	11,182,524.0	26 Mar 2012	23,434,386		
39490-1-GE-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United Kingdom	23 Sep 2011	12,190,539	12 Jun 2013	24,977,388		
39490-1-HK-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Hong Kong	27 Sep 2011	12,109,546.6	11 Jan 2013	11,689,922		
39490-1-IN-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	India	23 Sep 2011	9,923,CHENP,2012				

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39490-1-4P-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Japan	23 Sep 2011	2013-101650	18 Jul 2013	2013-529335	
39490-1-KR-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	South Korea / Republic of	23 Sep 2011	10-2012-7028523	15 Jun 2013	10-2013-0003286	
39490-1-US-PAT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United States Of America	23 Sep 2011	PCT/CA2011/00110	03 May 2012	2012-0106345	
39490-1-WO-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	International Procedure	23 Sep 2011	PCT/CA2011/00110	03 May 2012	2012-037683	
39490-CA-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Canada	23 Sep 2011	2797883	09 Jan 2013	102875075	
39490-DE-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Germany	23 Sep 2011	112011101203.8	17 Jun 2013	112011101203	
39490-EP-EPA	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	European Procedure	23 Sep 2011	112011101203.8	28 Mar 2012	24543589	
39490-GB-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United Kingdom	23 Sep 2011	1218173.7			
39490-HK-FPR	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Hong Kong	23 Sep 2011	12109555.7	16 May 2013	11738513	
39490-IN-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	India	23 Sep 2011	9071/CHEMP/2021			
39490-KR-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	South Korea / Republic of	23 Sep 2011	10-2012-7028450	18 Jul 2013	2013-529339	
39490-US-PAT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United States Of America	23 Sep 2011	13,2403813	28 Feb 2013	10-2013-0019407	
39490-US-PRV	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United States Of America	24 Sep 2010	61,386219	24 May 2012	2012,0127098	
39490-WO-PCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	International Procedure	23 Sep 2011	PCT/CA2011/00110	23 Mar 2012	2753088	
39490-CA-PAT	COMMUNICATION DEVICE	Canada	27 Sep 2011	2753088	27 Mar 2012	2753088	
39490-EP-EPA	COMMUNICATION DEVICE	European Procedure	28 Feb 2011	11156243.5	26 Mar 2012	24543583	
39490-US-PRV	METHOD AND APPARATUS FOR CONTROLLING A DISPLAY OF A MOBILE ELECTRONIC DEVICE	United States Of America	27 Sep 2010	61,7866899			
39490-CA-PCT	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN (Playbook R036)	European Union	18 Jun 2012	001331672-0001			18 Jun 2012 001331672-0001
39490-EM-CD(2)	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN (Playbook R036)	European Union	18 Jun 2012	001331672-0002			18 Jun 2012 001331672-0002
39490-EM-CD(3)	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN (Playbook R036)	European Union	18 Jun 2012	001331672-0003			18 Jun 2012 001331672-0003
39490-EM-CD(4)	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN (Playbook R036)	European Union	18 Jun 2012	001331672-0004			18 Jun 2012 001331672-0004
39490-EM-CD(5)	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN (Playbook R036)	European Union	18 Jun 2012	001331672-0005			18 Jun 2012 001331672-0005
39490-EM-CD(6)	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN (Playbook R036)	European Union	18 Jun 2012	001331672-0006			18 Jun 2012 001331672-0006
39490-EM-CD(7)	GRAPHICAL USER INTERFACE FOR A DISPLAY SCREEN (Playbook R036)	European Union	18 Jun 2012	001331672-0007			18 Jun 2012 001331672-0007
39490-US-DES	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	European Union	18 Jun 2012	001331672-0008			18 Jun 2012 001331672-0008
39490-US-DES(2)	DISPLAY SCREEN WITH A GRAPHICAL USER INTERFACE	United States Of America	24 Sep 2010	29,475611			11 Sep 2012 D667029
39490-CA-PCT	ALERT DISPLAY ON A PORTABLE ELECTRONIC DEVICE	United States Of America	24 Sep 2010	29,475612			11 Sep 2012 D667021
39490-CA-PCT	ALERT DISPLAY ON A PORTABLE ELECTRONIC DEVICE	Canada	22 Sep 2011	2782243			12 Nov 2013 2782243
39490-DE-PCT	ALERT DISPLAY ON A PORTABLE ELECTRONIC DEVICE	Germany	22 Sep 2011	201160021869.9	12 Jun 2013	103154875	
39490-EP-EPA	ALERT DISPLAY ON A PORTABLE ELECTRONIC DEVICE	European Union	22 Sep 2011	112011101209.8	17 Jun 2013	112011101209	
39490-GB-PAT	ALERT DISPLAY ON A PORTABLE ELECTRONIC DEVICE	United Kingdom	22 Sep 2011	11186349.6	28 Mar 2012	2454387	
39490-GB-PCT	ALERT DISPLAY ON A PORTABLE ELECTRONIC DEVICE	United Kingdom	22 Sep 2011	1217624.4	29 Mar 2012	2012,0076327	
39490-US-PAT	PORTABLE ELECTRONIC DEVICE AND METHOD THEREFOR	United States Of America	22 Sep 2011	13,240230			
39490-US-PRV	PORTABLE ELECTRONIC DEVICE AND METHOD THEREFOR	United States Of America	24 Sep 2010	61,386308			
39490-WO-PCT	ALERT DISPLAY ON A PORTABLE ELECTRONIC DEVICE	International Procedure	22 Sep 2011	PCT/CA2011/0505	25 Mar 2013	2013,037689	
39490-CA-PAT	ECHO CANCELING CODEC	Canada	07 Sep 2012	2788916	09 Mar 2013	2788916	
39490-EP-EPA	ECHO CANCELING CODEC	European Procedure	09 Sep 2011	11180919.2	13 Mar 2013	2586619	
39490-US-PAT	ECHO CANCELING CODEC	United States Of America	09 Sep 2011	13,2230146	14 Mar 2013	2013,0086358	
39490-CA-PAT	ADAPTIVE DELAY COMPENSATION FOR ACOUSTIC ECHO CANCELLATION	Canada	28 Feb 2012	2769127	28 Aug 2012	2769127	
39490-EP-EPA	ADAPTIVE DELAY COMPENSATION FOR ACOUSTIC ECHO CANCELLATION	European Procedure	28 Feb 2012	11156254.2	29 Aug 2012	2483187	
39490-US-PAT	METHOD AND SYSTEM FOR MANAGING COMMUNICATIONS BETWEEN A COMPUTING DEVICE AND A METHOD, APPARATUS AND SYSTEM FOR MANAGING COMMUNICATIONS BETWEEN A COMPUTING DEVICE AND A	United States Of America	28 Sep 2011	2753093	30 Aug 2012	2012,0219146	11 Jun 2013 8462936
39490-CA-PAT	METHOD, APPARATUS AND SYSTEM FOR MANAGING COMMUNICATIONS BETWEEN A COMPUTING DEVICE AND A	Canada	05 Sep 2011	1117655.6	27 Mar 2012	2753093	
39490-DE-PCT	TRANSITIONAL VIEW ON A PORTABLE ELECTRONIC DEVICE	European Procedure	05 Aug 2011	13,20444.2	28 Mar 2012	2454725	
39490-EP-EPA	TRANSITIONAL VIEW ON A PORTABLE ELECTRONIC DEVICE	United States Of America	22 Sep 2011	2811553	28 Mar 2012	2012,0079006	
39490-GB-PCT	TRANSITIONAL VIEW ON A PORTABLE ELECTRONIC DEVICE	United Kingdom	22 Sep 2011	120180045776.X	22 May 2013	103119456	
39490-EP-EPA	PORTABLE ELECTRONIC DEVICE AND METHOD THEREFOR	European Procedure	22 Sep 2011	112011103173.4	14 Aug 2013	112011103173	
39490-GB-PCT	TRANSITIONAL VIEW ON A PORTABLE ELECTRONIC DEVICE	United Kingdom	22 Sep 2011	1302386.3	16 May 2013	2458563	
39490-US-PAT	PORTABLE ELECTRONIC DEVICE AND METHOD THEREFOR	United States Of America	22 Sep 2011	13,240250	22 May 2013	2458563	
39490-US-PRV	PORTABLE ELECTRONIC DEVICE AND METHOD THEREFOR	United States Of America	24 Sep 2010	61,386302	24 May 2012	2012,0131501	
39490-WO-PCT	TRANSITIONAL VIEW ON A PORTABLE ELECTRONIC DEVICE	International Procedure	22 Sep 2011	PCT/CA2011/0505	29 Mar 2012	2012,037688	

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39924-CA-PAT	METHOD FOR CONSERVING POWER ON A PORTABLE ELECTRONIC DEVICE AND A PORTABLE ELECTRONIC DEVICE	Canada	23 Aug 2011	2750352	24 Mar 2012	2750352		
39924-EP-EPA	METHOD FOR CONSERVING POWER ON A PORTABLE ELECTRONIC DEVICE AND A PORTABLE ELECTRONIC DEVICE	European Procedure	23 Aug 2011	1178457.7	26 Mar 2012	2750352		
39924-US-PAT	METHOD FOR CONSERVING POWER ON A PORTABLE ELECTRONIC DEVICE AND A PORTABLE ELECTRONIC DEVICE	United States Of America	23 Aug 2011	13,215,481	21 Jun 2012	2012,0154303		
40725-CA-PAT	MEDIA PLAYER NAVIGATION	Canada	05 Jan 2012	2763222	05 Jul 2012	2763222		
40725-EP-EPA	MEDIA PLAYER NAVIGATION	European Procedure	05 Jan 2012	12,150,238.9	11 Jun 2012	2474925		
40725-US-PAT	MEDIA PLAYER NAVIGATION	United States Of America	05 Jan 2012	13,343,755	03 Jun 2013	2013,0007617		
40772-CA-PAT	SYSTEM RESOURCE MANAGEMENT IN AN ELECTRONIC DEVICE	Canada	18 Mar 2011	11,158,782.9	18 Sep 2012	2771743		
40772-EP-EPA	SYSTEM RESOURCE MANAGEMENT IN AN ELECTRONIC DEVICE	European Procedure	18 Mar 2011	11,158,782.9	26 Sep 2012	2503,430		
40772-US-PAT	SYSTEM RESOURCE MANAGEMENT IN AN ELECTRONIC DEVICE	United States Of America	18 Mar 2011	13,051,903	20 Sep 2012	2012,0240123		
40773-CA-PAT	SUSPENDABLE INTERRUPTS FOR PROCESSOR IDLE MANAGEMENT	Canada	14 Feb 2011	2767782	14 Aug 2012	2767782		
40773-EP-EPA	SUSPENDABLE INTERRUPTS FOR PROCESSOR IDLE MANAGEMENT	European Procedure	14 Feb 2011	11,154,270.4	22 Aug 2012	2480130		
40773-US-PAT	SUSPENDABLE INTERRUPTS FOR PROCESSOR IDLE MANAGEMENT	United States Of America	14 Feb 2011	13,026,930	16 Aug 2012	2012,0210104		06 Aug 2013 8504753
40774-EP-EPA	TOLERANT TIMERS FOR PROCESSOR IDLE MANAGEMENT	European Procedure	14 Feb 2011	11,154,270.0				
41017-CA-PAT	CELL-BASED COMPOSITED WINDOWING SYSTEM	Canada	31 May 2013	2817207				
41017-EP-EPA	CELL-BASED COMPOSITED WINDOWING SYSTEM	European Procedure	11 Jun 2012	12,171,514.5	18 Dec 2013	2674939		
41017-US-PAT	CELL-BASED COMPOSITED WINDOWING SYSTEM	United States Of America	11 Jun 2012	13,743,951.3				
41018-EP-EPA	OFF-AXIS AUDIO SUPPRESSION IN AN AUTOMOBILE CABIN	Canada	30 Jul 2012	2783912	28 Jan 2013	2783913		
41018-HK-FPR	OFF-AXIS AUDIO SUPPRESSION IN AN AUTOMOBILE CABIN	European Procedure	29 Jul 2011	11,172,926.2	30 Jan 2013	2651849		
41018-US-PAT	OFF-AXIS AUDIO SUPPRESSION IN AN AUTOMOBILE CABIN	Hong Kong	14 May 2013	13,103,729.2	30 Aug 2013	1177979		
41386-CA-PAT	METHOD OF PRESENTING DIGITAL DATA ON AN ELECTRONIC DEVICE OPERATING UNDER DIFFERENT	Canada	29 Jul 2011	13,194,120	31 Jan 2013	2013,0030801		
41386-EP-EPA	METHOD OF PRESENTING DIGITAL DATA ON AN ELECTRONIC DEVICE OPERATING UNDER DIFFERENT	European Procedure	09 Oct 2012	2791603	23 Jun 2013	2791609		
41386-HK-FPR	METHOD OF PRESENTING DIGITAL DATA ON AN ELECTRONIC DEVICE OPERATING UNDER DIFFERENT	China	30 Nov 2012	20121050237.6	26 Jun 2013	1193176602		
41386-US-PAT	METHOD OF PRESENTING DIGITAL DATA ON AN ELECTRONIC DEVICE OPERATING UNDER DIFFERENT	United States Of America	27 Jan 2012	12,152,948.1	26 Jun 2013	2680008		
41386-JN-FPR	METHOD OF PRESENTING DIGITAL DATA ON AN ELECTRONIC DEVICE OPERATING UNDER DIFFERENT	Hong Kong	24 Jul 2013	13,108,683.0	08 Nov 2013	1181459		
41386-US-PAT	METHOD OF PRESENTING DIGITAL DATA ON AN ELECTRONIC DEVICE OPERATING UNDER DIFFERENT	India	23 Dec 2011	4415,CH/2012				
41402-CA-PAT	SYSTEM AND METHOD FOR TRANSMITTING DOCUMENTS	Canada	23 Dec 2011	13,353,117	27 Jun 2013	2013,0167013		
41402-EP-EPA	SYSTEM AND METHOD FOR TRANSMITTING DOCUMENTS	European Procedure	30 Mar 2012	2772906	04 Oct 2012	2772906		
41402-US-PAT	SYSTEM AND METHOD FOR TRANSMITTING DOCUMENTS	United States Of America	30 Mar 2012	12,162,354.0	10 Oct 2012	2509286		
41402-US-FPV	SYSTEM AND METHOD FOR TRANSMITTING DOCUMENTS	United States Of America	30 Mar 2012	13,456,193	11 Apr 2013	2013,01068733		
41492-CA-PAT	ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Canada	08 Apr 2012	61,473,488	08 Oct 2012	2773818		
41492-EP-EPA	ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	European Procedure	05 Apr 2011	11,161,219.8	10 Oct 2012	2650898		
41492-US-PAT	ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United States Of America	05 Apr 2011	13,079,997.9	11 Oct 2012	2012,0256847		
41542-CA-PAT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Canada	03 Apr 2012	2773286	05 Oct 2012	2773286		
41542-EP-EPA	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	European Procedure	29 Feb 2012	12,157,441.2	19 Oct 2012	25048972		
41542-US-PAT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United States Of America	29 Feb 2012	13,740,871.0	11 Oct 2012	2012,0256829		
41542-US-FPV	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United States Of America	05 Apr 2011	61,147,024.1				
41567-CA-PAT	MULTIPLE INDEPENDENT ENCRYPTION DOMAINS	Canada	05 Apr 2012	2773293	18 Oct 2012	2773293		
41567-EP-EPA	MULTIPLE INDEPENDENT ENCRYPTION DOMAINS	European Procedure	05 Apr 2012	12,163,306.9	17 Oct 2012	2611948		
41567-US-PAT	MULTIPLE INDEPENDENT ENCRYPTION DOMAINS	United States Of America	05 Apr 2012	13,440,389	11 Oct 2012	2012,0257743		
41567-US-FPV	MULTIPLE INDEPENDENT ENCRYPTION DOMAINS	United States Of America	10 Apr 2011	61,473,808				
42024-CA-PAT	CONCURRENT GRAPHIC CONTENT ON MULTIPLE DISPLAYS	Canada	14 Nov 2011	2757867	14 May 2013	2757867		
42024-EP-EPA	CONCURRENT GRAPHIC CONTENT ON MULTIPLE DISPLAYS	European Procedure	10 Apr 2011	13,285,910	16 May 2013	2013,0120222		
42024-US-PAT	CONCURRENT GRAPHIC CONTENT ON MULTIPLE DISPLAYS	United States Of America	23 Sep 2011	2812288				
42092-CA-PAT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	Canada	23 Sep 2011	12,018,056,662.8	24 Jul 2013	103221914		
42092-EP-EPA	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	European Procedure	23 Sep 2011	11,301,103,202.1	11 Jul 2013	11301102302		
42092-US-PAT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United Kingdom	23 Sep 2011	11,767,112.3	31 Jul 2013	263198466		
42092-KR-FCT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	South Korea / Republic of	23 Sep 2011	13,063,335.0				
42092-US-FPV	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	United States Of America	23 Sep 2011	10,201,307,010,664	26 Sep 2013	10,201,307,010,662		
42092-US-PAT	PORTABLE ELECTRONIC DEVICE AND METHOD OF CONTROLLING SAME	International Procedure	23 Sep 2011	13,242,747.9	29 Mar 2012	2012,00998766		
42698-WO-FCT	PRESENTING METADATA FROM MULTIPLE PARAMETERS	United States Of America	23 Sep 2011	FCT/US2011/0330	29 Mar 2012	2012,040616		
42698-US-PAT	PRESENTING METADATA FROM MULTIPLE PARAMETERS	United States Of America	16 Feb 2012	13,398,876	16 May 2013	2013,0124833		

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42608-US-PAT	PRESENTING METADATA FROM MULTIPLE PERIMETERS	United States Of America	11 Nov 2011	651,563,442			
42609-WO-PCT	MANAGING CROSS PERIMETER ACCESS	International Procedure	09 Nov 2012	PCT/CA2012/0507			
42889-CA-PAT	METHODS AND APPARATUS FOR CONTROLLING POWER CONSUMPTION IN AN ELECTRONIC DEVICE WITH A	Canada	10 Nov 2011	1,118,686,616	16 May 2013	2,013,067,845	
42889-EP-EPA	METHODS AND APPARATUS FOR CONTROLLING POWER CONSUMPTION IN AN ELECTRONIC DEVICE WITH A	European Procedure	09 Nov 2011	PCT/CA2012/0507	15 May 2013	2,592,257,6	
42889-US-PAT	METHODS AND APPARATUS FOR CONTROLLING POWER CONSUMPTION IN AN ELECTRONIC DEVICE WITH A	United States Of America	23 Mar 2012	2,772,268	23 Sep 2013	2,772,268	
43147-EP-EPA	METHODS, APPARATUS, AND SYSTEMS FOR ELECTRONIC DEVICE RECOVERY	European Procedure	23 Mar 2012	1,216,108,44	25 Sep 2013	2,642,862	
43147-US-PAT	METHODS, APPARATUS, AND SYSTEMS FOR ELECTRONIC DEVICE RECOVERY	United States Of America	23 Mar 2012	1,342,838	26 Sep 2013	2,013,025,0825	
43191-CA-PAT	DYNAMICALLY GENERATING PERIMETERS	Canada	22 Jun 2012	1,217,922,57	19 Oct 2013	2,013,261,339	
43191-EP-EPA	DYNAMICALLY GENERATING PERIMETERS	European Procedure	19 Apr 2012	1,348,140,3	29 Oct 2013	2,663,967	
43191-US-PAT	DYNAMICALLY GENERATING PERIMETERS	United States Of America	26 Oct 2011	1,118,686,622	24 Apr 2013	2,564,753	
43194-US-PAT	SYSTEM AND METHOD OF VIDEO DECODER RESOURCE SHARING	United States Of America	17 Oct 2011	1,327,481,3	18 Apr 2013	2,013,009,657	
43233-EP-EPA	RESILIENT SIGNAL ENCODING	European Procedure	19 Apr 2012	1,345,114,0			
43233-US-PAT	RESILIENT SIGNAL ENCODING	United States Of America	25 Mar 2013	1,316,882,42			
43237-US-PAT	UPDATING GRAPHICAL CONTENT BASED ON DIRTY DISPLAY BUFFERS	United States Of America	18 Apr 2012	1,344,989,3			
43238-CA-PAT	SYSTEM AND METHOD FOR TRACKING COMPLIANCE INFORMATION FOR A BUILD-SYSTEM PRODUCT	Canada	31 May 2013	2,817,475	18 Dec 2013	1,034,455,321	
43238-EP-EPA	SYSTEM AND METHOD FOR TRACKING COMPLIANCE INFORMATION FOR A BUILD-SYSTEM PRODUCT	European Procedure	30 May 2013	2,013,020,661,3 X	04 Dec 2013	2,669,791	
43238-IN-PAT	SYSTEM AND METHOD FOR TRACKING COMPLIANCE INFORMATION FOR A BUILD-SYSTEM PRODUCT	India	01 Jun 2012	1,217,643,2			
43238-US-PAT	SYSTEM AND METHOD FOR TRACKING COMPLIANCE INFORMATION FOR A BUILD-SYSTEM PRODUCT	United States Of America	30 May 2013	2,379,7, CHE/2013			
43479-EP-EPA	GPU DISPLAY ADJUSTMENTS	European Procedure	19 Dec 2012	1,219,828,0			
43479-US-PAT	GPU DISPLAY ADJUSTMENTS	United States Of America	19 Dec 2012	1,371,941,1			
43586-EM-CD1	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	European Union	14 Jun 2012	0,013,317,30-0,001			14 Jun 2012
43586-EM-CD2	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	European Union	14 Jun 2012	0,013,317,30-0,010			14 Jun 2012
43586-EM-CD3	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	European Union	14 Jun 2012	0,013,317,30-0,002			14 Jun 2012
43586-EM-CD4	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	European Union	14 Jun 2012	0,013,317,30-0,005			14 Jun 2012
43586-EM-CD5	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	European Union	14 Jun 2012	0,013,317,30-0,004			14 Jun 2012
43586-EM-CD6	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	European Union	14 Jun 2012	0,013,317,30-0,006			14 Jun 2012
43586-EM-CD7	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	European Union	14 Jun 2012	0,013,317,30-0,007			14 Jun 2012
43586-EM-CD8	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	European Union	14 Jun 2012	0,013,317,30-0,008			14 Jun 2012
43586-EM-CD9	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	European Union	14 Jun 2012	0,013,317,30-0,009			14 Jun 2012
43586-US-DES	ICON FOR A DISPLAY SCREEN (Mouse Playback 2.0)	United States Of America	15 Dec 2011	2,814,087,04			
44067-EP-EPA	KEY MANAGEMENT ON DEVICE FOR PERIMETERS	European Procedure	15 Feb 2012	1,215,565,91	21 Aug 2013	2,652,922,7	
44067-US-PAT	KEY MANAGEMENT ON DEVICE FOR PERIMETERS	United States Of America	15 Feb 2012	1,349,574,13	15 Aug 2013	2,013,021,392	
44097-WO-PCT	MANAGING DATA TRANSFER ACROSS A NETWORK INTERFACE	International Procedure	30 Jan 2013	PCT/CA2013/00000	22 Aug 2013	2,013,120,169	
44098-CA-PAT	MANAGING DATA TRANSFER ACROSS A NETWORK INTERFACE	Canada	02 May 2013	2,814,816			
44098-EP-EPA	MANAGING DATA TRANSFER ACROSS A NETWORK INTERFACE	European Procedure	05 Jul 2012	1,347,805,16			
44200-CA-PAT	SYSTEM AND METHOD FOR SAMPLE RATE ADAPTION	Canada	15 Feb 2013	2,806,571	21 Aug 2013	2,652,918,2	
44200-EP-EPA	SYSTEM AND METHOD FOR SAMPLE RATE ADAPTION	European Procedure	15 Feb 2013	1,345,935,13	29 Aug 2013	2,013,052,230,2	
44200-US-PAT	SYSTEM AND METHOD FOR SAMPLE RATE ADAPTION	United States Of America	17 Feb 2012	1,611,501,94			
44204-CA-PAT	MULTIPASS ASR CONTROLLING MULTIPLE APPLICATIONS	Canada	26 Apr 2013	2,814,101,3			
44204-EP-EPA	MULTIPASS ASR CONTROLLING MULTIPLE APPLICATIONS	European Procedure	01 May 2012	1,216,850,82	06 Nov 2013	2,663,969	
44204-US-PAT	MULTIPASS ASR CONTROLLING MULTIPLE APPLICATIONS	United States Of America	30 Apr 2012	1,346,014,3	31 Oct 2013	2,013,028,986	
44208-EP-EPA	POST PROCESSING OF NATURAL LANGUAGE ASR	European Procedure	28 Apr 2013	2,814,309			
44208-US-PAT	POST PROCESSING OF NATURAL LANGUAGE ASR	United States Of America	01 May 2012	1,216,631,24	06 Nov 2013	2,663,910	
44210-CA-PAT	ADAPTIVE EQUALIZATION SYSTEM	Canada	30 Apr 2012	1,346,016,2	31 Oct 2013	2,013,028,988	
44210-US-PAT	ADAPTIVE EQUALIZATION SYSTEM	United States Of America	01 May 2013	2,814,434	04 Nov 2013	2,814,434	

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44210-US-PAT	ADAPTIVE EQUALIZATION SYSTEM	European Procedure	04 May 2012	12165906.3	06 Nov 2013	2656314	
44210-US-PAT	ADAPTIVE EQUALIZATION SYSTEM	United States Of America	04 May 2012	13/464411	07 Nov 2013	2013/0297306	
44217-CX-PAT	SYSTEM AND METHOD FOR CHANGING ABILITIES OF A PROCESS	Canada	04 Jun 2013	2817859			
44217-CX-PAT	SYSTEM AND METHOD FOR CHANGING ABILITIES OF A PROCESS	European Procedure	05 Jun 2013	13178772.1	11 Dec 2013	2672382	
44217-US-PAT	SYSTEM AND METHOD FOR CHANGING ABILITIES OF A PROCESS	United States Of America	06 Jun 2012	13/480186	12 Dec 2013	2013/0533056	
44281-CX-PAT	DESIGNATION OF CLASSES FOR CERTIFICATES AND KEYS	Canada	28 Dec 2012	2800504	17 Aug 2013	2600594	
44281-EP-EPA	DESIGNATION OF CLASSES FOR CERTIFICATES AND KEYS	European Procedure	28 Dec 2012	12199710.0	21 Aug 2013	2629480	
44291-US-PAT	DESIGNATION OF CLASSES FOR CERTIFICATES AND KEYS	United States Of America	28 Dec 2012	15/729267	22 Aug 2013	2013/0219173	
44321-CX-PAT	SYSTEM AND METHOD FOR DYNAMIC RESIDUAL NOISE SHAPING	Canada	17 Feb 2012	61/609902			
44327-EP-EPA	SYSTEM AND METHOD FOR DYNAMIC RESIDUAL NOISE SHAPING	European Procedure	15 Feb 2013	13195350.5	21 Aug 2013	2629294	
44327-US-PAT	SYSTEM AND METHOD FOR DYNAMIC RESIDUAL NOISE SHAPING	United States Of America	15 Feb 2013	13/768108	29 Aug 2013	2013/0223845	
44327-US-PRV	SYSTEM AND METHOD FOR DYNAMIC NOISE REDUCTION	United States Of America	16 Feb 2012	61/599762			
44328-CX-PAT	COMPOSITION MANAGER CAMERA	Canada	16 Aug 2013	2824119			
44328-CN-PAT	COMPOSITION MANAGER CAMERA	China	09 Aug 2013	201310346641.8			
44328-EP-EPA	COMPOSITION MANAGER CAMERA	European Procedure	22 Aug 2012	12181384.4			
44328-IB-PAT	COMPOSITION MANAGER CAMERA	India	06 Jul 2013	3048/CHE/2013			
44328-US-PAT	COMPOSITION MANAGER CAMERA	United States Of America	22 Aug 2012	13/651574			
44327-EP-EPA	SYSTEM AND METHOD FOR NOISE ESTIMATION WITH MUSIC DETECTION	Canada	15 Feb 2013	13195352.1	21 Aug 2013	2629295	
44327-US-PAT	SYSTEM AND METHOD FOR NOISE ESTIMATION WITH MUSIC DETECTION	European Procedure	15 Feb 2013	13/768109	29 Aug 2013	2013/0226572	
44327-US-PRV	SYSTEM AND METHOD FOR NOISE ESTIMATION WITH MUSIC DETECTION	United States Of America	16 Feb 2012	61/599767			
44392-CX-PAT	METHOD AND APPARATUS FOR MANAGEMENT OF MULTIPLE GROUPED RESOURCES ON DEVICE	Canada	15 Feb 2013	2805960	16 Aug 2013	2805960	
44392-EP-EPA	METHOD AND APPARATUS FOR MANAGEMENT OF MULTIPLE GROUPED RESOURCES ON DEVICE	European Procedure	18 Feb 2013	13195397.1	21 Aug 2013	2629230	
44392-US-PAT	METHOD AND APPARATUS FOR MANAGEMENT OF MULTIPLE GROUPED RESOURCES ON DEVICE	United States Of America	15 Feb 2013	13/768353	29 Aug 2013	2013/0227637	
44392-US-PRV	METHOD AND APPARATUS FOR MANAGEMENT OF MULTIPLE GROUPED RESOURCES ON DEVICE	United States Of America	16 Feb 2012	61/599769			
44505-CX-PAT	TILED VIEWPORT COMPOSITION	Canada	31 May 2013	2817492			
44505-CN-PAT	TILED VIEWPORT COMPOSITION	China	30 May 2013	201310208395.7			
44505-EP-EPA	TILED VIEWPORT COMPOSITION	European Procedure	06 Jun 2012	12171363.0	11 Dec 2013	2672480	
44505-IB-PAT	TILED VIEWPORT COMPOSITION	India	24 May 2013	2266/CHE/2013			
44505-US-PAT	TILED VIEWPORT COMPOSITION	United States Of America	05 Jun 2012	13/7492052	12 Dec 2013	2013/0338896	
45129-CX-PAT	BACKGROUND SERVICE LAUNCHER FOR DYNAMIC SERVICE PROVISIONING	Canada	28 Jul 2013	28271866			
45129-EP-EPA	BACKGROUND SERVICE LAUNCHER FOR DYNAMIC SERVICE PROVISIONING	European Procedure	28 Jul 2012	12178126.3			
45129-US-PAT	BACKGROUND SERVICE LAUNCHER FOR DYNAMIC SERVICE PROVISIONING	United States Of America	26 Jul 2012	13/658764			
45141-CX-PAT	MANAGING MULTIPLE FORWARDING INFORMATION BASES	Canada	21 Jun 2013	2820507			
45141-CN-PAT	MANAGING MULTIPLE FORWARDING INFORMATION BASES	China	27 Jun 2013	201310261901.1			
45141-EP-EPA	MANAGING MULTIPLE FORWARDING INFORMATION BASES	European Procedure	27 Sep 2012	12188275.9	01 Jan 2014	2680663	
45141-IB-PAT	MANAGING MULTIPLE FORWARDING INFORMATION BASES	India	18 Jun 2013	2649/CHE/2013			
45141-US-PAT	MANAGING MULTIPLE FORWARDING INFORMATION BASES	United States Of America	27 Sep 2012	13/626677	02 Jan 2014	2014/0003359	
45141-US-PRV	MANAGING MULTIPLE FORWARDING INFORMATION BASES	United States Of America	29 Jun 2012	61/666608			
45305-EP-EPA	METHOD AND APPARATUS PERTAINING TO CONTROL INFORMATION DISAMBIGUATION	European Procedure	18 Jun 2012	12172294.6	16 Dec 2013	2675142	
45504-1-CX-PAT	SELECTIVE INBOX ACCESS IN HOMESCREEN MODE ON A MOBILE ELECTRONIC DEVICE	Canada	18 Jul 2013	2820971			
45504-1-EP-EPA	SELECTIVE INBOX ACCESS IN HOMESCREEN MODE ON A MOBILE ELECTRONIC DEVICE	European Procedure	18 Apr 2013	13164384.5			
45504-1-US-PAT	SELECTIVE INBOX ACCESS IN HOMESCREEN MODE ON A MOBILE ELECTRONIC DEVICE	United States Of America	06 Dec 2012	13/709671			
45504-1-US-PRV	SELECTIVE INBOX ACCESS IN HOMESCREEN MODE ON A MOBILE ELECTRONIC DEVICE	United States Of America	01 Aug 2012	61/678391			
45504-CX-PAT	MULTIPLE-STAGE INTERFACE CONTROL OF A MOBILE ELECTRONIC DEVICE	Canada	16 Jul 2013	2820993			
45504-EP-EPA	MULTIPLE-STAGE INTERFACE CONTROL OF A MOBILE ELECTRONIC DEVICE	European Procedure	18 Apr 2013	13164385.2			
45504-US-CNT	MULTIPLE-STAGE INTERFACE CONTROL OF A MOBILE ELECTRONIC DEVICE	United States Of America	06 Jun 2013	13/911512			
45504-US-PAT	MULTIPLE-STAGE INTERFACE CONTROL OF A MOBILE ELECTRONIC DEVICE	United States Of America	06 Dec 2012	13/709742			
45504-US-PRV	MULTIPLE-STAGE INTERFACE CONTROL OF A MOBILE ELECTRONIC DEVICE	United States Of America	01 Aug 2012	61/678388			
45515-CX-PAT	METHOD AND SYSTEM TO LAUNCH APPLICATIONS ON MULTIPLE PLATFORMS	Canada	12 Dec 2012	2798391			
45515-US-PAT	METHOD AND SYSTEM TO LAUNCH APPLICATIONS ON MULTIPLE PLATFORMS	United States Of America	12 Dec 2012	13/717118			
45515-CX-PAT	ADAPTIVE PHASE DISCOVERY	Canada	20 Dec 2012	2798990			
45518-US-PAT	ADAPTIVE PHASE DISCOVERY	United States Of America	20 Dec 2012	13/722341			

Case reference	Title	Country	Filing Date	Filing Number	Publication Date	Publication Num	Grant Date	Grant Number
45534-CA-PAT	PORTABLE DOCKING STATION FOR PORTABLE ELECTRONIC DEVICE	Canada	27 Aug 2013	2624888				
45594-EP-EPA	PORTABLE DOCKING STATION FOR PORTABLE ELECTRONIC DEVICE	European Procedure	19 Oct 2012	12188275.2				
45534-US-PAT	PORTABLE DOCKING STATION FOR PORTABLE ELECTRONIC DEVICE	United States Of America	19 Oct 2012	13,665109				
45581-EP-EPA	MODAL PROCESS DIALOG	European Procedure	29 Jan 2013	13135063.6				
45581-US-PAT	MODAL PROCESS DIALOG	United States Of America	29 Jan 2013	13,752966				
45621-EP-EPA	DYNAMIC AUDIO PROCESSING PARAMETERS WITH AUTOMATIC SPEECH RECOGNITION	European Procedure	28 Jan 2013	13,752911.7				
45621-US-PAT	DYNAMIC AUDIO PROCESSING PARAMETERS WITH AUTOMATIC SPEECH RECOGNITION	United States Of America	28 Jan 2013	13,751724				
45727-EP-EPA	APPLICATION SERVICES INTERFACE TO ASR	European Procedure	16 Nov 2012	12183113.3				
45727-US-PAT	APPLICATION SERVICES INTERFACE TO ASR	United States Of America	16 Nov 2012	13,679654				
45771-CA-PAT	MANAGING APPLICATION EXECUTION AND DATA ACCESS ON A DEVICE	Canada	10 Oct 2013	2828605				
45771-CN-PAT	MANAGING APPLICATION EXECUTION AND DATA ACCESS ON A DEVICE	China	23 Oct 2013	201310502089.9				
45771-DE-UM	MANAGING APPLICATION EXECUTION AND DATA ACCESS ON A DEVICE	Germany	21 Dec 2012	202012012333.5			21 Mar 2013	202012012333.5
45771-EP-EPA	MANAGING APPLICATION EXECUTION AND DATA ACCESS ON A DEVICE	European Procedure	24 Oct 2012	12188773.0				
45771-US-CNT	MANAGING APPLICATION EXECUTION AND DATA ACCESS ON A DEVICE	United States Of America	20 Dec 2012	13,722213				
45771-US-PAT	MANAGING APPLICATION EXECUTION AND DATA ACCESS ON A DEVICE	United States Of America	24 Oct 2012	13,659527				
45897-CN-PAT	MANAGING PERMISSION SETTINGS APPLIED TO APPLICATIONS	China	18 Oct 2013					
45897-EP-EPA	MANAGING PERMISSION SETTINGS APPLIED TO APPLICATIONS	European Procedure	23 Oct 2013	201310504548.5				
45897-US-PAT	MANAGING PERMISSION SETTINGS APPLIED TO APPLICATIONS	United States Of America	24 Oct 2012	12188805.0				
46286-EP-EPA	METHOD OF IDENTIFYING CONTACTS FOR INITIATING A COMMUNICATION USING SPEECH RECOGNITION	European Procedure	06 Dec 2012	12189362.1				
46286-US-PAT	METHOD OF IDENTIFYING CONTACTS FOR INITIATING A COMMUNICATION USING SPEECH RECOGNITION	United States Of America	06 Dec 2012	13,706643				
46334-EP-EPA	METHOD AND APPARATUS PERTAINING TO SHARING INFORMATION VIA A PRIVATE DATA AREA	European Procedure	25 Oct 2012	12190800.9				
46334-US-PAT	METHOD AND APPARATUS PERTAINING TO SHARING INFORMATION VIA A PRIVATE DATA AREA	United States Of America	25 Oct 2012	13,660091				
46392-WO-PCT	CONTACT PRIORITIZED COMMUNICATION FOR VOICE COMMANDS	International Procedure	21 Nov 2012	PCT/CA2012/0598				
46405-EP-EPA	SYSTEM AND METHOD FOR ACCESSING A RESTRICTED OBJECT	European Procedure	07 Nov 2012	12191797.4				
46405-US-PAT	SYSTEM AND METHOD FOR ACCESSING A RESTRICTED OBJECT	United States Of America	25 Oct 2012	13,660359				
46498-EP-EPA	METHODS FOR MONITORING AND ADJUSTING PERFORMANCE OF A MOBILE COMPUTING DEVICE	European Procedure	29 Jan 2013	13155120.4				
46528-EP-EPA	PROCESSING A LINK ON A DEVICE	United States Of America	29 Jan 2013	13,752895				
46528-US-PAT	PROCESSING A LINK ON A DEVICE	European Procedure	24 Apr 2013	13165229.9				
46537-EP-EPA	COMPUTATION VALIDATION	United States Of America	13 Mar 2013	13,681497				
46537-US-PAT	COMPUTATION VALIDATION	United States Of America	05 Apr 2013	13,693935				
46558-EP-EPA	SOUND FIELD ENCODER	European Procedure	29 Jan 2013	13159088.5				
46558-US-PAT	SOUND FIELD ENCODER	United States Of America	29 Jan 2013	13,753836				
46558-EP-EPA	SOUND FIELD REPRODUCTION	European Procedure	29 Jan 2013	13159112.1				
46558-US-PAT	SOUND FIELD REPRODUCTION	United States Of America	29 Jan 2013	13,753829				
46559-EP-EPA	SOUND FIELD SPATIAL STABILIZER	European Procedure	29 Jan 2013	13153065.1				
46559-US-PAT	SOUND FIELD SPATIAL STABILIZER	United States Of America	29 Jan 2013	13,753198				
46560-EP-EPA	MICROPHONE HISS MITIGATION	European Procedure	29 Jan 2013	13155113.9				
46560-US-PAT	MICROPHONE HISS MITIGATION	United States Of America	29 Jan 2013	13,753276				
46581-EP-EPA	NOISE ESTIMATION CONTROL SYSTEM	European Procedure	29 Jan 2013	13153109.7				
46581-US-PAT	NOISE ESTIMATION CONTROL SYSTEM	United States Of America	29 Jan 2013	13,753162				
46582-EP-EPA	MAINTAINING SPATIAL STABILITY UTILIZING COMMON GAIN COEFFICIENT	European Procedure	29 Jan 2013	13165082.8				
46582-US-PAT	MAINTAINING SPATIAL STABILITY UTILIZING COMMON GAIN COEFFICIENT	United States Of America	29 Jan 2013	13,753211				
46639-EP-EPA	VEHICLE ENERGY MANAGEMENT	Canada	23 Aug 2013	13,974506				
46639-US-PAT	VEHICLE ENERGY MANAGEMENT	United States Of America	08 Mar 2013	13158448.4				
46677-EP-EPA	INTEGRATED SYSTEM FOR MEDIA PLAYBACK DURING STARTUP	European Procedure	08 Mar 2013	13,7790509				
46677-US-PAT	INTEGRATED SYSTEM FOR MEDIA PLAYBACK DURING STARTUP	United States Of America	13 Dec 2012	6,17239129				
46678-EP-EPA	REMOTE POINT OF VIEW	European Procedure	14 Mar 2013	13169135.8				
46678-US-PAT	REMOTE POINT OF VIEW	United States Of America	14 Mar 2013	13,826162				
46678-US-PAT	REMOTE POINT OF VIEW	United States Of America	08 Jan 2013	6,1750219				
46679-EP-EPA	ON-DEMAND USER CONTROL	European Procedure	14 Mar 2013	13158138.0				
46679-US-PAT	ON-DEMAND USER CONTROL	United States Of America	14 Mar 2013	13,826582				
46679-US-PAT	ON-DEMAND USER CONTROL	United States Of America	08 Jan 2013	6,1750210				

Case reference	Title	Country	Filing Date	Filing Number	Publication Date	Publication Num	Grant Date	Grant Number
46702-US-DES	TRANSITIONAL ICON FOR A DISPLAY SCREEN (ONX menu tab)	United States Of America	18 Dec 2012	29/439386				
46703-EM-CO121	INTERFACES FOR A DISPLAY SCREEN (ONX arc cover flow)	European Union	13 Jun 2013	001375018-0001			13 Jun 2013	001375018-0001
46703-EM-CO121	INTERFACES FOR A DISPLAY SCREEN (ONX arc cover flow)	European Union	13 Jun 2013	001375018-0002			13 Jun 2013	001375018-0002
46704-EM-OD	INTERFACES FOR A DISPLAY SCREEN (ONX radio dial)	European Union	13 Jun 2013	001375000-0001			13 Jun 2013	001375000-0001
46704-EM-CO121	INTERFACES FOR A DISPLAY SCREEN (ONX radio dial)	European Union	13 Jun 2013	001375000-0002			13 Jun 2013	001375000-0002
46720-US-DES	DISPLAY SCREEN WITH A USER INTERFACE (ONX radio dial)	United States Of America	18 Dec 2012	29/439888				
46720-CA-PAT	USER INTERFACE WITH NAVIGATION CONTEXT	Canada	14 Mar 2013	131581377.2				
46720-EP-EPA	USER INTERFACE WITH NAVIGATION CONTEXT	European Procedure	14 Mar 2013	131581377.2				
46720-US-PAT	USER INTERFACE WITH NAVIGATION CONTEXT	United States Of America	14 Mar 2013	131581377.2				
46720-US-PAT	USER INTERFACE WITH NAVIGATION CONTEXT	United States Of America	19 Dec 2012	61/759219				
46783-EP-EPA	MOBILE EQUIPMENT CUSTOMIZATION USING A SINGLE MANUFACTURING CONFIGURATION	European Procedure	11 Apr 2013	13168391.9				
46783-US-PAT	MOBILE EQUIPMENT CUSTOMIZATION USING A SINGLE MANUFACTURING CONFIGURATION	United States Of America	29 Jan 2013	131753187				
46927-EP-EPA	AUDIO BANDWIDTH DEPENDENT NOISE SUPPRESSION	European Procedure	29 Jan 2013	13153105.5				
46927-US-PAT	AUDIO BANDWIDTH DEPENDENT NOISE SUPPRESSION	United States Of America	29 Jan 2013	131752983				
47119-EP-EPA	SHARING A DESIGNATED AUDIO SIGNAL	European Procedure	15 Mar 2013	13158435.0				
47119-US-PAT	SHARING A DESIGNATED AUDIO SIGNAL	United States Of America	15 Mar 2013	13143401.4				
47197-US-PAT	PROPAGATION OF APPLICATION CONTEXT BETWEEN A MOBILE DEVICE AND A VEHICLE INFORMATION SYSTEM	United States Of America	23 Aug 2013	131974856				
47197-US-PRV	STATEFUL INTEGRATION OF A VEHICLE INFORMATION SYSTEM USER INTERFACE WITH MOBILE DEVICE	United States Of America	16 Mar 2013	61/792143				
47198-US-PAT	STATEFUL INTEGRATION OF A VEHICLE INFORMATION SYSTEM USER INTERFACE WITH MOBILE DEVICE	United States Of America	23 Aug 2013	131974894				
47198-US-PRV	STATEFUL INTEGRATION OF A VEHICLE INFORMATION SYSTEM USER INTERFACE WITH MOBILE DEVICE	United States Of America	15 Mar 2013	61/783923				
47318-US-PRV	ACTIVE NOISE EQUALIZATION	United States Of America	05 Apr 2013	61/808943				
47387-1-EP-EPA	A SYSTEM AND METHOD FOR FORWARDING A GRAPHICS COMMAND STREAM	European Procedure	13 May 2013	13167544.9				
47387-1-US-PAT	A SYSTEM AND METHOD FOR FORWARDING A GRAPHICS COMMAND STREAM	United States Of America	13 May 2013	131892995				
47387-2-US-PRV	SYSTEM AND METHOD FOR FORWARDING A COMMAND STREAM	United States Of America	13 May 2013	61/822730				
47387-3-US-PRV	SYSTEM AND METHOD FOR FORWARDING A COMMAND STREAM	United States Of America	13 May 2013	61/822756				
47387-EP-EPA	A SYSTEM AND METHOD FOR FORWARDING A GRAPHICS COMMAND STREAM	European Procedure	13 May 2013	13167543.1				
47443-EP-EPA	CONDITIONAL MULTIPASS AUTOMATIC SPEECH RECOGNITION	United States Of America	13 May 2013	131883025				
47443-US-PAT	CONDITIONAL MULTIPASS AUTOMATIC SPEECH RECOGNITION	European Procedure	20 Jun 2013	13173059.0				
47443-US-PRV	NATURAL LANGUAGE UNDERSTANDING AUTOMATIC SPEECH RECOGNITION	United States Of America	20 Jun 2013	131923588				
47444-EP-EPA	NATURAL LANGUAGE UNDERSTANDING AUTOMATIC SPEECH RECOGNITION POST PROCESSING	European Procedure	20 Jun 2013	13173119.2				
47444-US-PAT	NATURAL LANGUAGE UNDERSTANDING AUTOMATIC SPEECH RECOGNITION POST PROCESSING	United States Of America	20 Jun 2013	131928695				
47587-EP-EPA	DEVICES AND METHODS FOR DISPLAYING DATA IN RESPONSE TO DETECTED EVENTS	European Procedure	15 May 2013	13167947.4				
47587-US-PAT	DEVICES AND METHODS FOR DISPLAYING DATA IN RESPONSE TO DETECTED EVENTS	United States Of America	15 May 2013	131894995				
47613-EP-EPA	SEARCHING DATA USING PRE-PREPARED SEARCH DATA	European Procedure	19 Jun 2013	13172910.5				
47613-US-PAT	SEARCHING DATA USING PRE-PREPARED SEARCH DATA	United States Of America	19 Jun 2013	131821887				
47689-US-PAT	METHOD AND APPARATUS FOR CONTROLLING ACCESS TO ENCRYPTED DATA	United States Of America	06 Nov 2013	141072839				
47689-1-EP-EPA	SOUND FIELD SPATIAL STABILIZER WITH SPECTRAL COHERENCE COMPENSATION	European Procedure	20 Jun 2013	13173052.5				
47689-1-US-PAT	SOUND FIELD SPATIAL STABILIZER WITH SPECTRAL COHERENCE COMPENSATION	United States Of America	20 Jun 2013	131923006				
47689-2-EP-EPA	SOUND FIELD SPATIAL STABILIZER WITH ECHO SPECTRAL COHERENCE COMPENSATION	European Procedure	20 Jun 2013	13173053.3				
47689-2-US-PAT	SOUND FIELD SPATIAL STABILIZER WITH ECHO SPECTRAL COHERENCE COMPENSATION	United States Of America	20 Jun 2013	13173047.5				
47689-EP-EPA	SOUND FIELD SPATIAL STABILIZER WITH STRUCTURED NOISE COMPENSATION	European Procedure	20 Jun 2013	13173047.5				
47689-US-PAT	SOUND FIELD SPATIAL STABILIZER WITH STRUCTURED NOISE COMPENSATION	United States Of America	20 Jun 2013	131928241				
47689-1-US-PAT	SYSTEM AND METHOD FOR FORWARDING AN APPLICATION USER INTERFACE	United States Of America	24 Sep 2013	141034923				
47689-US-PAT	SYSTEM AND METHOD FOR FORWARDING AN APPLICATION USER INTERFACE	United States Of America	24 Sep 2013	141035286				
47886-US-PAT	SYSTEM AND METHOD FOR DYNAMICAL MIXING AUDIO SIGNALS	United States Of America	08 Oct 2013	141048784				
47887-US-PAT	SYSTEM AND METHOD FOR ENHANCING COMPREHENSIBILITY THROUGH SPATIALIZATION	United States Of America	25 Nov 2013	141089318				

CONFIRMATION AND ASSIGNMENT

WHEREAS QNX SOFTWARE SYSTEMS LIMITED, a corporation organized under the laws of the Province of Ontario, Canada, having a place of business at 1001 Farrar Road, Kanata, Ontario, Canada K2K 0B3 (the "ASSIGNOR") is the owner of certain rights, title and interest in and to certain inventions and designs (the "Assignor Inventions"); and

WHEREAS 8758271 CANADA INC., a corporation organized under the laws of the Country of Canada, having a place of business at 2200 University Avenue E., Waterloo, Ontario, Canada N2K 0A7 (the "ASSIGNEE"); and

WHEREAS, ASSIGNOR and ASSIGNEE are parties to an Asset Purchase Agreement dated January 17, 2014 (the "Purchase Agreement"); and

WHEREAS, pursuant to the Purchase Agreement, ASSIGNOR and ASSIGNEE agreed that ASSIGNEE is the owner of all developments, modifications and improvements related to the Assignor Inventions, whether created by ASSIGNEE or ASSIGNOR or on their behalf (the "Developments"), and that ASSIGNOR has received full market consideration therefor; and

WHEREAS, pursuant to the Purchase Agreement, ASSIGNOR wishes to confirm that ASSIGNEE is the owner of all rights, title and interest of the ASSIGNOR in and to certain of the Developments ("Creations"), described in documents, descriptions and/or drawings ("Creation Documents"), and/or described in applications for patents, design registrations or utility model registrations ("Applications"), inclusive of any and all priority rights derived therefrom, and all ancillary patent, design registration and utility model registration rights relating thereto, as listed in Schedule A - QNX Patents attached hereto.

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR and ASSIGNEE, ASSIGNOR and ASSIGNEE, intending to be legally bound, agree as follows:

ASSIGNOR hereby confirms that it has transferred, conveyed and assigned, and by way of further assurance, to the extent that the transfer, conveyance or assignment has not already been fully effected, ASSIGNOR hereby transfers, conveys and assigns, any and all of its rights, title and interest in and to: the Creations; the Creation Documents; Applications; any further applications for patents, designs or utility models for the whole or any part or parts of or improvements to the Creations in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations and utility model registrations relating to the Creations and Creation Documents; and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this assignment; with the intent that the Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR hereby agrees, upon request, to provide assistance and to execute any and all further documents which may be necessary or desirable to enable ASSIGNEE or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Creations, Creation Documents, Applications, Further Applications, Divisionals and Extensions, and any and all patents and registrations granted thereon, and ASSIGNOR further agrees to execute, upon request, any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR does hereby authorize ASSIGNEE or its patent agents or attorneys to insert in Schedule A - QNX Patents the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR hereby authorizes and requests The Commissioner of Patents, or any equivalent authority, to issue to ASSIGNEE each and every patent, registration and other forms of protection, right and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns and shall be binding upon ASSIGNOR and its successors and permitted assigns.

IF ANY COVENANT OR PROVISION, or portion thereof, of this document is determined to be void or unenforceable, such void or unenforceable covenant or provision, or portion thereof, is hereby conceded to be severable from the balance of this document, and any such determination shall not, in any event, affect or impair the validity of the balance of the covenant or provision, nor shall it affect or impair the validity of any other covenant or provision herein contained.

IN WITNESS WHEREOF, this Confirmation And Assignment has been executed below by the undersigned:

QNX SOFTWARE SYSTEMS LIMITED

By

Name:

Title:

Date:

PROVINCE OF))

ss.:

MUNICIPALITY OF))

On the 3rd day of April, 2014, before me, the undersigned, a notary public in and for said province and municipality, personally appeared Michael Michalyszyn, personally known to me (or proved to me on the basis of satisfactory evidence), to be the individual who executed the foregoing instrument on behalf of QNX Software Systems Limited as the Vice President, HR and General Counsel of such company, executed such instrument in such capacity, and acknowledged to me that the execution and delivery of said instrument was duly authorized by said company.

.....
Notary Public
(Affix Seal Below)

8758271 CANADA INC.,

By *[Signature]*

Name: Roger Witteveen
Title: Director
Date: April 3, 2014

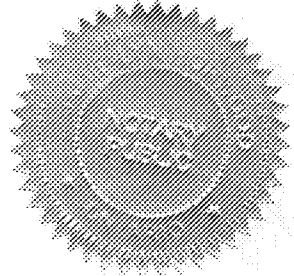
PROVINCE OF Ontario
MUNICIPALITY OF Waterloo

ss.:

On the 3rd day of April, 2014, before me, the undersigned, a notary public in and for said province and municipality, personally appeared Roger Witteveen, personally known to me (or proved to me on the basis of satisfactory evidence), to be the individual who executed the foregoing instrument on behalf of 8758271 Canada Inc. as the Director of such company, executed such instrument in such capacity, and acknowledged to me that the execution and delivery of said instrument was duly authorized by said company.

[Signature]
Notary Public
(Affix Seal Below)

Janie-Lyn Horwood, Notary Public, Regional Municipality of Waterloo. Limited to the attestation of instruments and the taking of affidavits for BlackBerry Limited and its subsidiaries. Expires June 24, 2016



Legal OK

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Just as per
m. michalyski PATENT

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SCHEDULE A
Patent Applications and Granted Patents

App. No.	Inventor	Title	Class.	Pub. No.	Pub. Date	App. No.	Inventor	Title	Class.	Pub. No.	Pub. Date
1000001	J. A. Smith	Method of...	370	1000001	10/1/50	1000001	J. A. Smith	Method of...	370	1000001	10/1/50
1000002	J. A. Smith	Method of...	370	1000002	10/1/50	1000002	J. A. Smith	Method of...	370	1000002	10/1/50
1000003	J. A. Smith	Method of...	370	1000003	10/1/50	1000003	J. A. Smith	Method of...	370	1000003	10/1/50
1000004	J. A. Smith	Method of...	370	1000004	10/1/50	1000004	J. A. Smith	Method of...	370	1000004	10/1/50
1000005	J. A. Smith	Method of...	370	1000005	10/1/50	1000005	J. A. Smith	Method of...	370	1000005	10/1/50
1000006	J. A. Smith	Method of...	370	1000006	10/1/50	1000006	J. A. Smith	Method of...	370	1000006	10/1/50
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1000008	J. A. Smith	Method of...	370	1000008	10/1/50	1000008	J. A. Smith	Method of...	370	1000008	10/1/50
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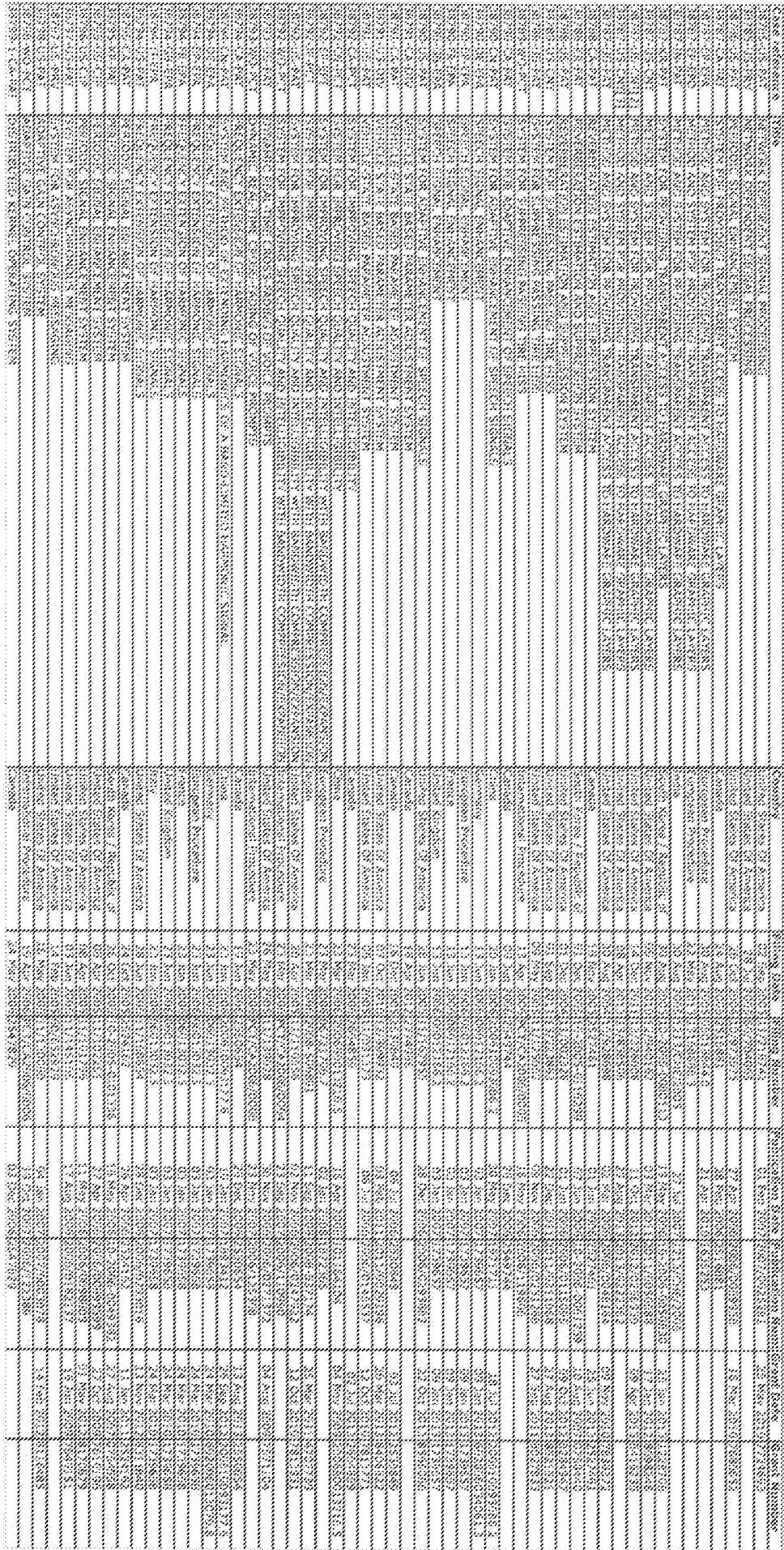


FIG. 3

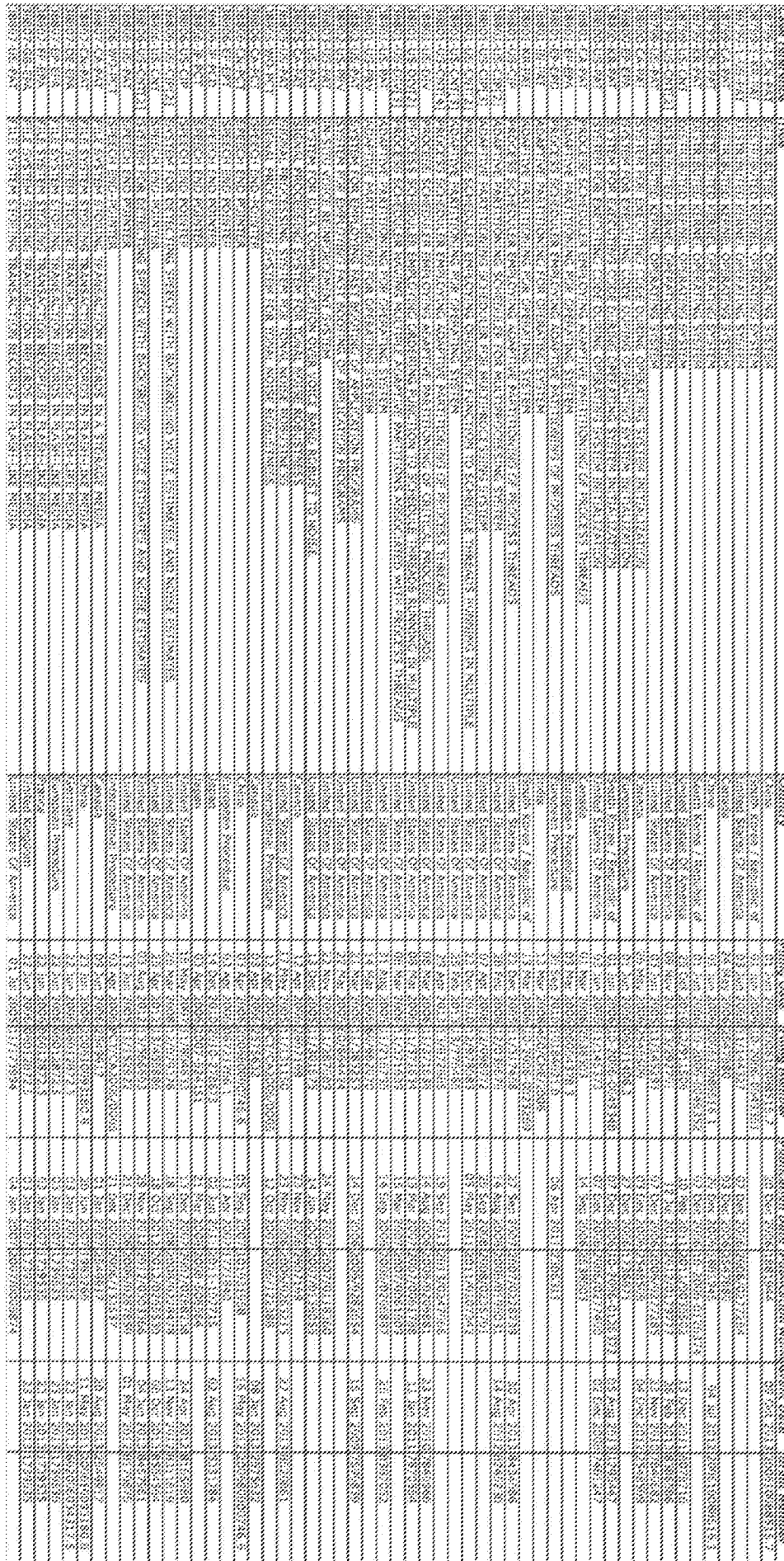


FIG. 1

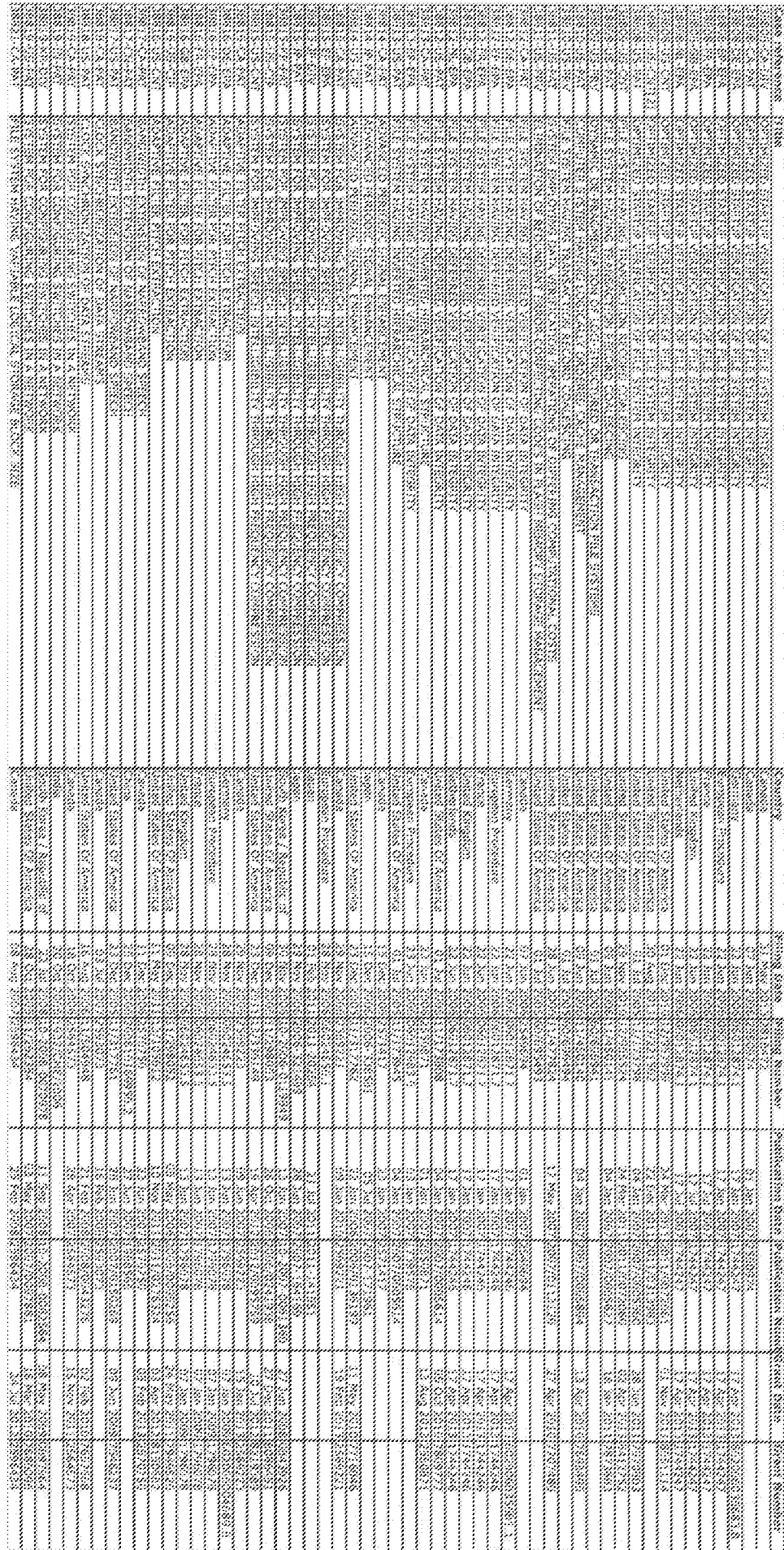
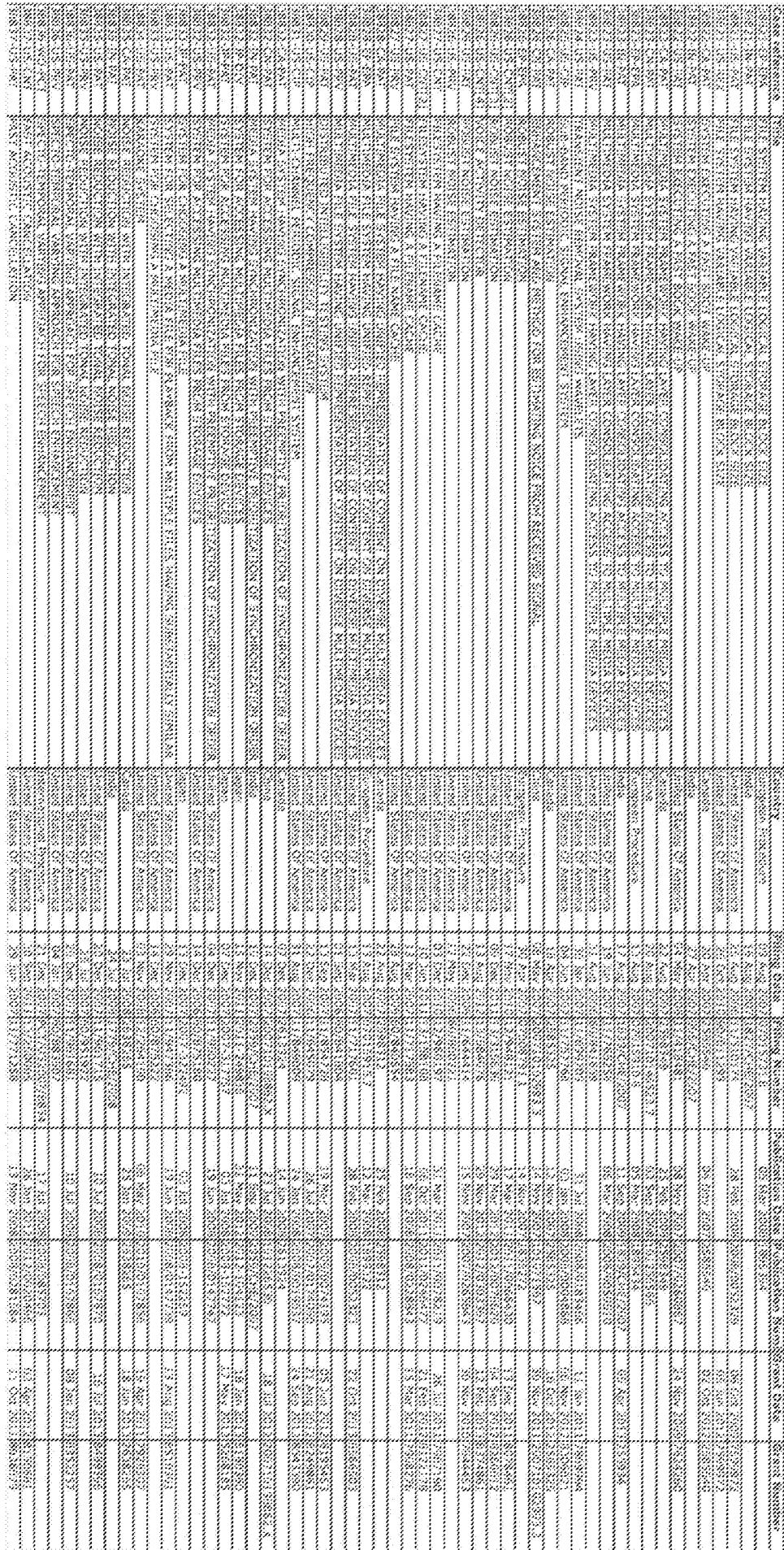


FIG. 12



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Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16	Column 17	Column 18	Column 19	Column 20	Column 21	Column 22	Column 23	Column 24	Column 25	Column 26	Column 27	Column 28	Column 29	Column 30	Column 31	Column 32	Column 33	Column 34	Column 35	Column 36	Column 37	Column 38	Column 39	Column 40	Column 41	Column 42	Column 43	Column 44	Column 45	Column 46	Column 47	Column 48	Column 49	Column 50	Column 51	Column 52	Column 53	Column 54	Column 55	Column 56	Column 57	Column 58	Column 59	Column 60	Column 61	Column 62	Column 63	Column 64	Column 65	Column 66	Column 67	Column 68	Column 69	Column 70	Column 71	Column 72	Column 73	Column 74	Column 75	Column 76	Column 77	Column 78	Column 79	Column 80	Column 81	Column 82	Column 83	Column 84	Column 85	Column 86	Column 87	Column 88	Column 89	Column 90	Column 91	Column 92	Column 93	Column 94	Column 95	Column 96	Column 97	Column 98	Column 99	Column 100
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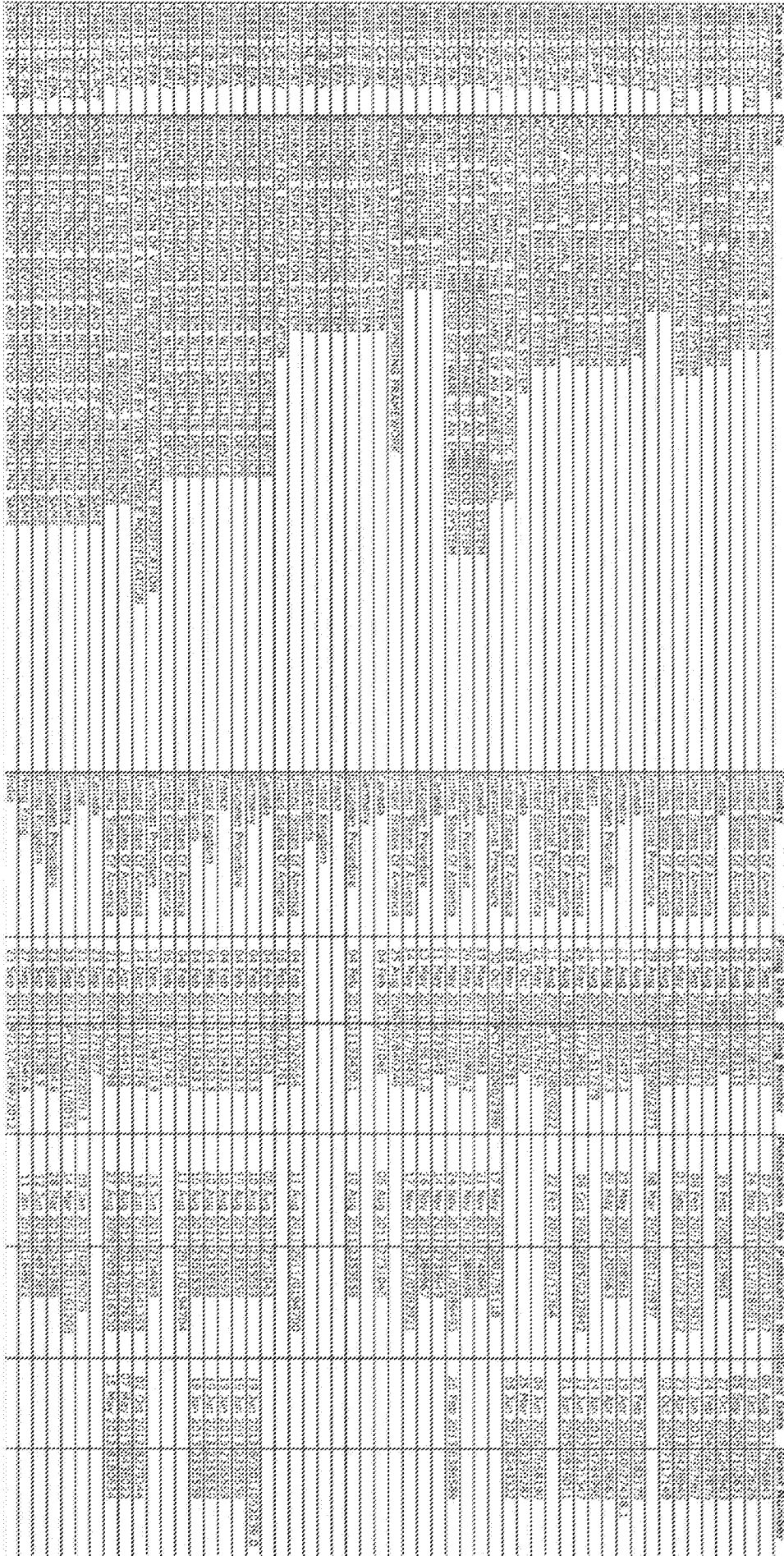
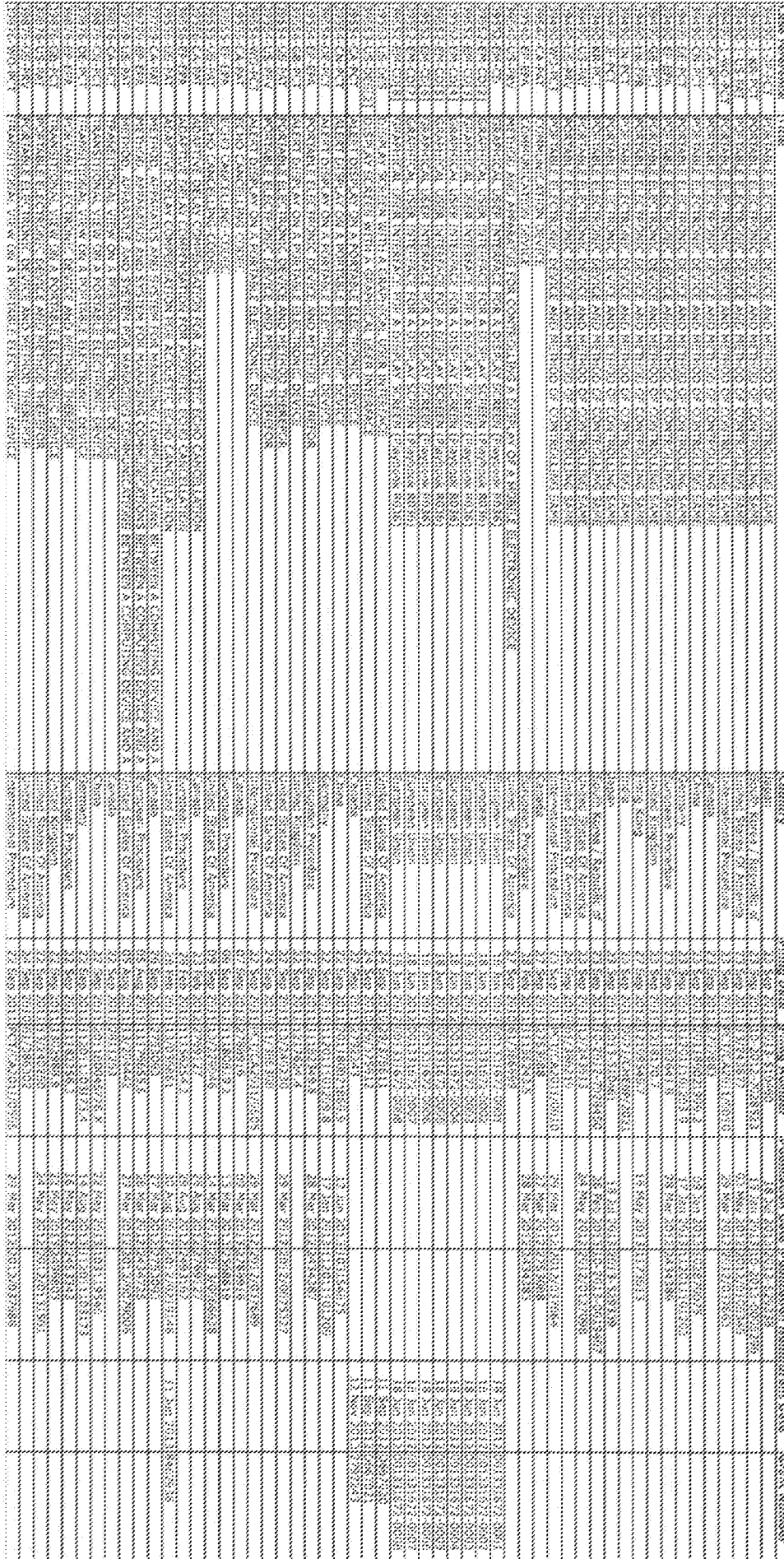
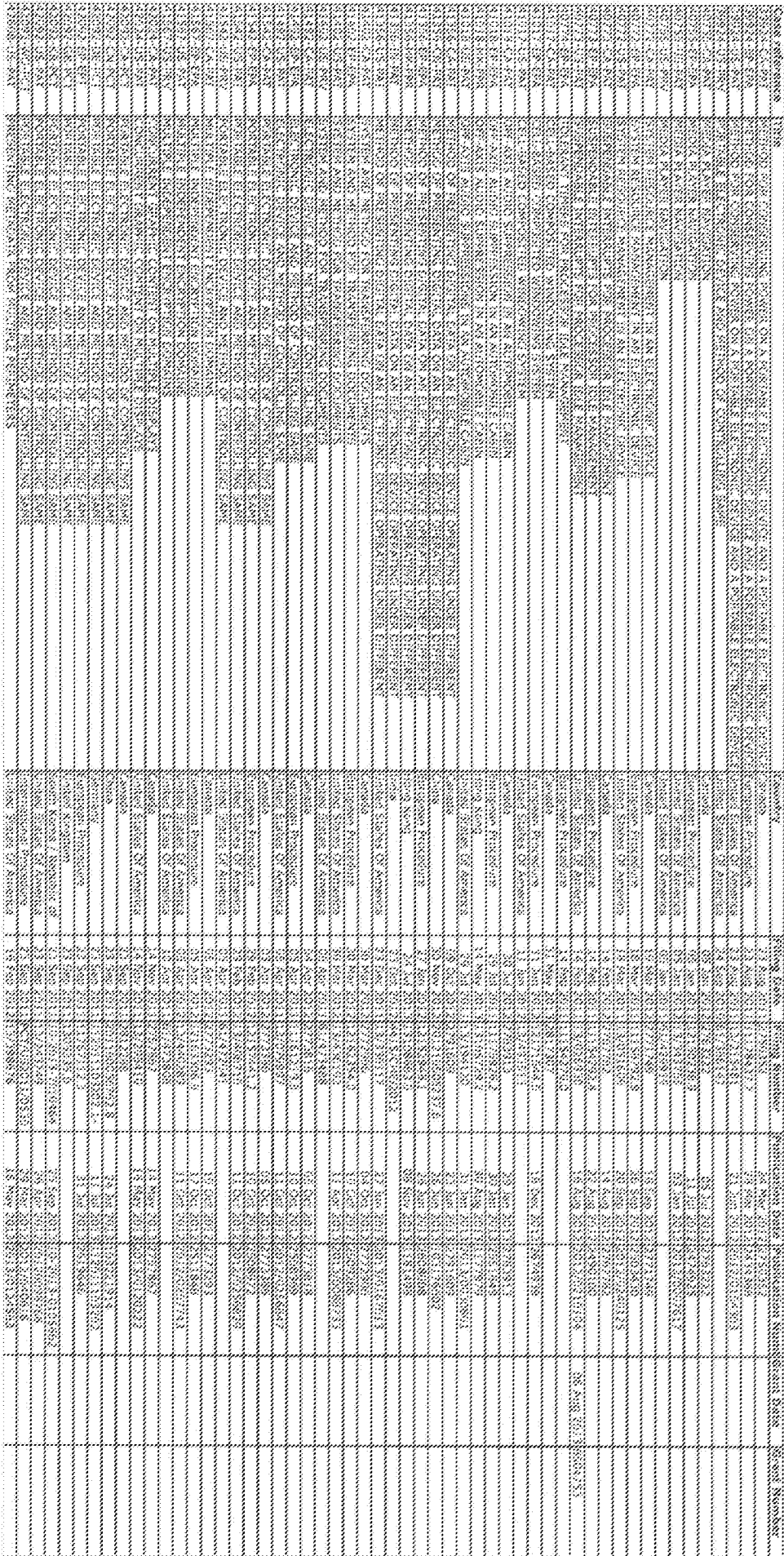


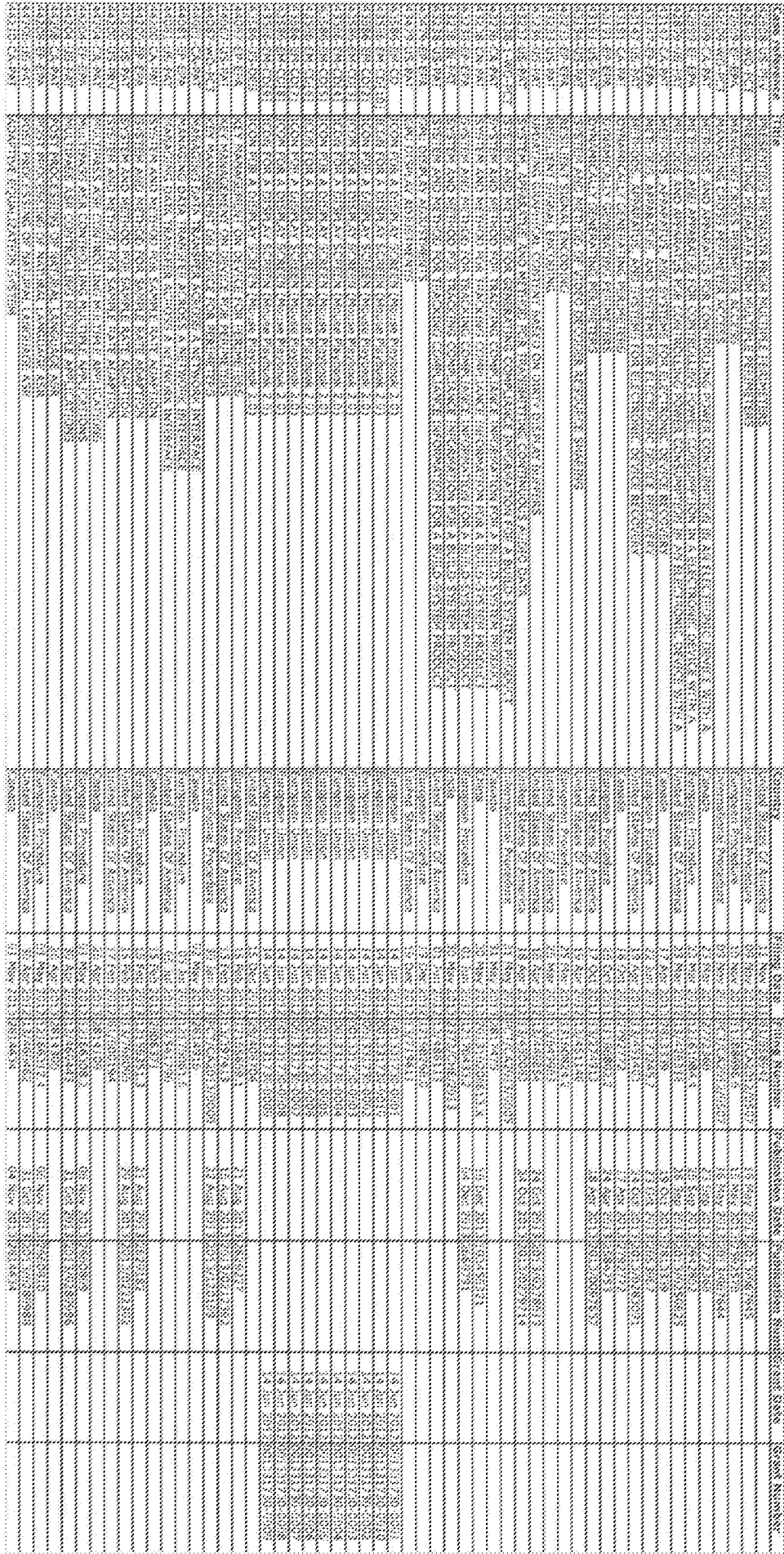
Fig. 6



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NO.	NAME	RES.	DATE	CLASS.	STATUS	REMARKS
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FIG. 10

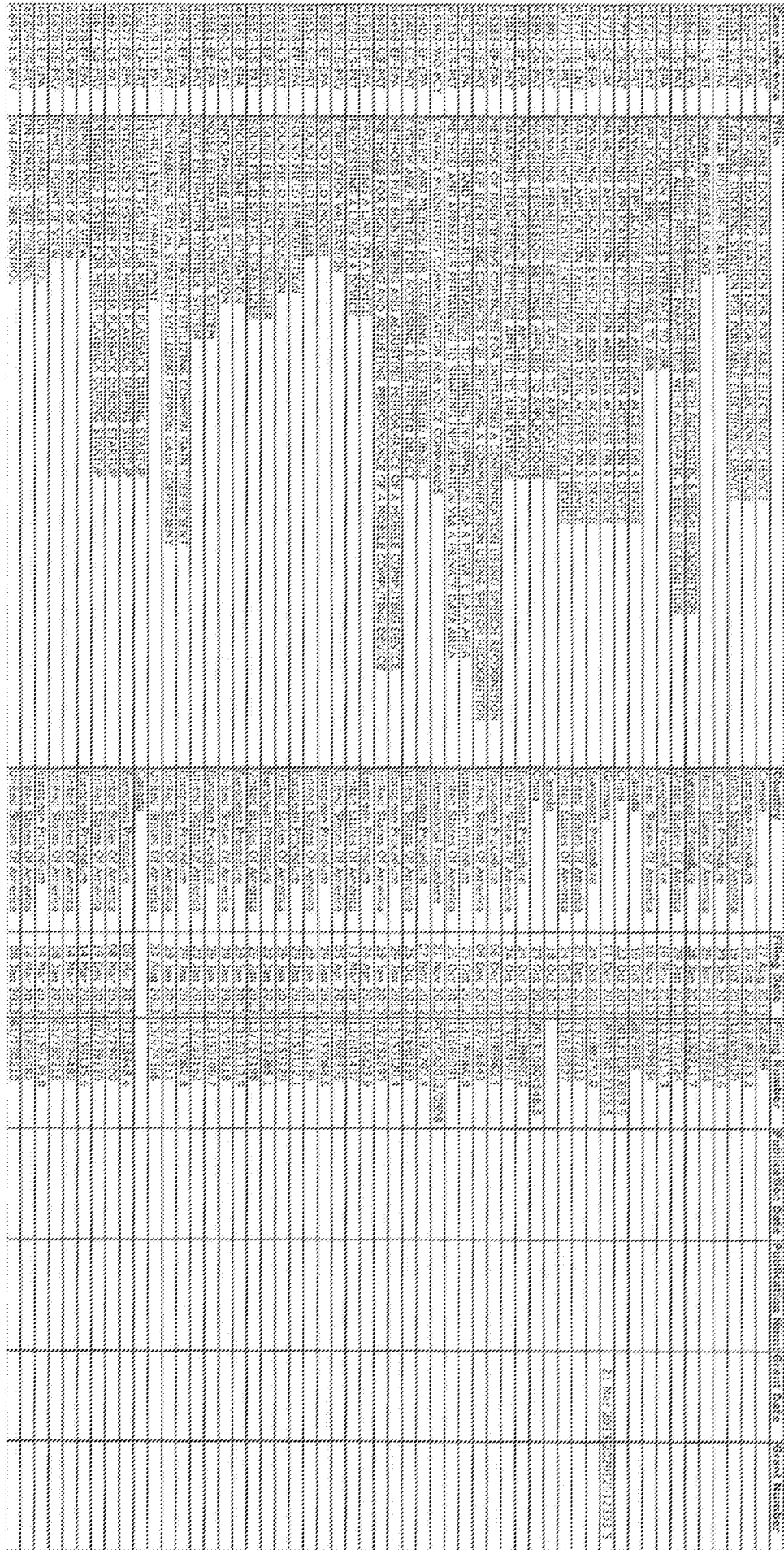


FIG. 1

