

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4391472

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	GOOD TECHNOLOGY CORPORATION	05/27/2016
RECEIVING PARTY DATA		
Name:	GOOD TECHNOLOGY HOLDINGS LIMITED	
Street Address:	2200 UNIVERSITY AVENUE EAST	
City:	WATERLOO, ONTARIO	
State/Country:	CANADA	
Postal Code:	N2K 0A7	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15479528
CORRESPONDENCE DATA		
Fax Number:	(877)769-7945	
<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>		
Email:	apsi@fr.com	
Correspondent Name:	FISH & RICHARDSON P.C.	
Address Line 1:	P.O. BOX 1022	
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440	
ATTORNEY DOCKET NUMBER:	29717-2056002	
NAME OF SUBMITTER:	CHRISTIE LOVEN	
SIGNATURE:	/Christie Loven/	
DATE SIGNED:	04/30/2017	
Total Attachments: 41		
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Confirmatory Assignment

WHEREAS, APPCENTRAL, INC., BOXTONE, INC., COPIUN, INC., FIXMO U.S., INC., GOOD TECHNOLOGY CORPORATION, GOOD TECHNOLOGY SOFTWARE INC., INTERCASTING CORPORATION and MACHEEN, INC., each hereinafter referred to individually as a "Seller" and collectively as the "Sellers", is each the owner of all right, title, and interest in the respective patents and pending patent applications as identified in **Schedule A-1** attached hereto ("**Assigned Properties**"); and

WHEREAS, GOOD TECHNOLOGY HOLDINGS LIMITED, an Ontario corporation, hereinafter called the "**Purchaser**", has acquired all right, title, and interest in and to the Assigned Properties and all inventions therein disclosed pursuant to an Asset Purchase Agreement between the Sellers and the Purchaser dated May 26, 2016;

NOW THEREFORE, pursuant to other agreement(s) entered into by the parties, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by the Seller, the Seller hereby confirms that it has sold, assigned, transferred and set over unto the Purchaser, its successors and assigns, the Seller's entire right, title, and interest in, to, and under the Assigned Properties.

The Seller, on behalf of itself and its successors, assigns, other legal representatives, does hereby authorize the Purchaser, its successors, assigns, nominees or other legal representatives to amend the present Confirmatory Assignment to insert or correct any identifying information of the Assigned Properties as may be needed to record same.

This Confirmatory Assignment may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed an original, and such counterparts together shall constitute one and the same instrument. A facsimile copy of this Confirmatory Assignment, including the signature pages hereto, shall be deemed to be an original.

IN WITNESS WHEREOF, the parties have executed this Confirmatory Assignment effective as of May 27, 2016.

GOOD TECHNOLOGY HOLDINGS LIMITED

By: _____

Name: _____

Title: _____

Greg Best
Secretary

PATENT

REEL: 042373 FRAME: 0779

APPCENTRAL, INC.

By: 

Name: James Yersh
Title: President

BOXTONE, INC.

By: 

Name: James Yersh
Title: President

COPIUN, INC.

By: 

Name: James Yersh
Title: President

FIXMO US, INC.

By: 

Name: James Yersh
Title: President

GOOD TECHNOLOGY CORPORATION

By: 

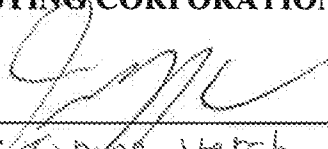
Name: James Yersh
Title: President

GOOD TECHNOLOGY SOFTWARE INC.

By: 

Name: James Yersh
Title: President

INTERCASTING CORPORATION

By: 

Name: James Yersh
Title: President

MACHEEN, INC.

By: 

Name: James Yersh
Title: President

SCHEDULE A-1

Assigned Properties

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	46945-US-PRV	SECURE MEDIA FOR IOS	62/055,116	25-Sep-14	EMPTY	EMPTY
WO	46945-WO-PCT	Retrieving Media Content	PCT/US2015/051770	23-Sep-15	EMPTY	EMPTY
NL	46990-3-NL-EPA	EMAIL SYNC SYSTEM USING MAPI AND FORMAT TRANSLATION	07102846-8	21-Jul-98	EP1783675	15-Oct-08
US	48688-US-PAT	MEETING INTEGRATION FOR A MESSAGING AND SCHEDULING APPLICATION	11/642363	18-Dec-06	EMPTY	EMPTY
US	49615-US-CNT	ENTERPRISE CONNECTIVITY TO HANDHELD DEVICES	09/220284	23-Dec-98	6324542	27-Nov-01
US	49615-US-PAT	ENTERPRISE CONNECTIVITY TO HANDHELD DEVICES	08/665422	18-Jun-96	5857201	5-Jan-99
US	49615-US-REX	ENTERPRISE CONNECTIVITY TO HANDHELD DEVICES	90/010124	14-Mar-08	EMPTY	EMPTY
US	49615-US-REX[2]	ENTERPRISE CONNECTIVITY TO HANDHELD DEVICES	90/010125	14-Mar-08	EMPTY	EMPTY
US	49616-US-PAT	SYSTEM AND METHOD FOR INSTALLING AND USING A TEMPORARY CERTIFICATE AT A REMOTE SITE	09/081268	19-May-98	6233341	15-May-01
US	49617-US-PAT	SYSTEM AND METHOD FOR ENCRYPTING AND DECRYPTING FILES	09/378226	19-Aug-99	7373517	13-May-08
WO	49617-WO-PCT	SYSTEM AND METHOD FOR ENCRYPTING AND DECRYPTING FILES	PCT/US2000/022812	18-Aug-00	EMPTY	EMPTY
US	49618-US-PAT	SYSTEM AND METHOD FOR AUTOMATICALLY FORWARDING EMAIL AND EMAIL EVENTS VIA A COMPUTER NETWORK TO A SERVER COMPUTER	09/528363	17-Mar-00	7739334	15-Jun-10
WO	49618-WO-PCT	SYSTEM AND METHOD FOR AUTOMATICALLY FORWARDING EMAIL AND EMAIL EVENTS VIA A COMPUTER NETWORK TO A SERVER COMPUTER	PCT/US2001/008407	15-Mar-01	EMPTY	EMPTY
US	49619-US-PAT	METHOD AND SYSTEM FOR DETERMINING INFORMATION TO ACCESS AN ELECTRONIC MAIL ACCOUNT	09/872859	1-Jun-01	7284045	16-Oct-07
US	49620-US-PAT	INTERACTIVE VOICE AND TEXT MESSAGE SYSTEM	09/884531	19-Jun-01	7444375	28-Oct-08
DE	49621-DE-EPA	SYSTEM AND METHOD FOR PERSON-TO-PERSON MESSAGING WITH A VALUE-ADDED SERVICE	2013573.7	20-Jun-02	60217766.9	24-Jan-07
EP	49621-EP-EPA	SYSTEM AND METHOD FOR PERSON-TO-PERSON MESSAGING WITH A VALUE-ADDED SERVICE	2013573.7	20-Jun-02	1271908	24-Jan-07
FR	49621-FR-EPA	SYSTEM AND METHOD FOR PERSON-TO-PERSON MESSAGING WITH A VALUE-ADDED SERVICE	2013573.7	20-Jun-02	1271908	24-Jan-07
GB	49621-GB-EPA	SYSTEM AND METHOD FOR PERSON-TO-PERSON MESSAGING WITH A VALUE-ADDED SERVICE	2013573.7	20-Jun-02	1271908	24-Jan-07

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49621-US-PAT	SYSTEM AND METHOD FOR PERSON-TO-PERSON MESSAGING WITH A VALUE-ADDED SERVICE	09/896054	29-Jun-01	7389118	17-Jun-08
US	49622-US-PAT	SYSTEM AND METHOD FOR COMPRESSING DATA ON A BANDWIDTH-LIMITED NETWORK	09/902060	9-Jul-01	7064688	20-Jun-06
WO	49622-WO-PCT	SYSTEM AND METHOD FOR COMPRESSING DATA ON A BANDWIDTH-LIMITED NETWORK	PCT/US2002/021544	8-Jul-02	EMPTY	EMPTY
US	49623-US-PAT	USER INTERFACE FOR A DATA PROCESSING APPARATUS	10/056313	23-Jan-02	6741232	24-May-04
WO	49623-WO-PCT	IMPROVED USER INTERFACE FOR A DATA PROCESSING APPARATUS	PCT/US03/02272	23-Jan-03	EMPTY	EMPTY
US	49624-US-PAT	SERVER INITIATED SYNCHRONIZATION	10/107032	26-Mar-02	7788382	31-Aug-10
US	49625-US-PAT	POWER MANAGEMENT AND DEVICE ILLUMINATION MECHANISMS FOR A PERSONAL DIGITAL ASSISTANT	10/114548	2-Apr-02	6726106	27-Apr-04
US	49626-US-PAT	DATA CARRIER DETECTOR FOR A PACKET-SWITCHED COMMUNICATION NETWORK	10/117492	4-Apr-02	8094591	10-Jan-12
US	49626-US-PRV	DATA CARRIER DETECTOR FOR A PACKET-SWITCHED COMMUNICATION NETWORK	60/365413	19-Mar-02	EMPTY	EMPTY
US	49627-US-PAT	ANTENNA SYSTEM FOR A WIRELESS DEVICE	10/164819	6-Jun-02	6727856	27-Apr-04
US	49628-US-PAT	OPTIMIZED USER INTERFACE FOR SMALL SCREEN DEVICES	10/174715	18-Jun-02	7032181	18-Apr-06
US	49628-US-PAT[2]	OPTIMIZED USER INTERFACE FOR SMALL SCREEN DEVICES	10/252622	23-Sep-02	EMPTY	EMPTY
US	49629-US-PAT	SYSTEM AND METHOD FOR MODIFYING APPLICATION BEHAVIOR BASED ON NETWORK BANDWIDTH	10/191093	8-Jul-02	8516034	20-Aug-13
US	49630-US-PAT	METHOD AND APPARATUS FOR IMPLEMENTING A REAL-TIME EVENT MANAGEMENT PLATFORM	10/236003	4-Sep-02	7454459	18-Nov-08
US	49630-US-PRV	METHOD AND APPARATUS FOR IMPLEMENTING A REAL-TIME EVENT MANAGEMENT PLATFORM	60/317372	4-Sep-01	EMPTY	EMPTY
US	49631-US-PAT	SYSTEM AND METHOD FOR NOTIFYING MOBILE DEVICES BASED ON DEVICE TYPE AND NETWORK CAPABILITIES	10/430943	7-May-03	7275073	25-Sep-07
US	49632-US-PAT	COLLABORATIVE DATA AND INTELLIGENT SYNCHRONIZATION FOR MOBILE DEVICES	10/434138	8-May-03	7890091	15-Feb-11
US	49633-US-PAT	MULTIMEDIA CONTROL WITH ONE-CLICK DEVICE SELECTION	10/434967	9-May-03	7840631	23-Nov-10
US	49633-US-REI	MULTIMEDIA CONTROL WITH ONE-CLICK DEVICE SELECTION	13/684021	21-Nov-12	EMPTY	EMPTY

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49634-US-PAT	MOBILE APPLICATION BUILDER	10/436298	12-May-03	7184801	27-Feb-07
US	49635-US-PAT	SYSTEM AND METHOD FOR THIRD PARTY CREATION OF APPLICATIONS FOR MOBILE APPLIANCES	13/087322	14-Apr-11	9135434	15-Sep-15
US	49635-US-PRV	SYSTEM AND METHOD FOR THIRD PARTY CREATION OF APPLICATIONS FOR MOBILE APPLIANCES	61/342790	19-Apr-10	EMPTY	EMPTY
US	49636-US-PAT	METHODS FOR REMOTE CONFIGURATION OF SOFTWARE APPLICATIONS	13/745226	18-Nov-13	EMPTY	EMPTY
CN	49637-CN-PCT	CENTRALIZED SELECTIVE APPLICATION APPROVAL FOR MOBILE DEVICES	201480043455.X	30-Jul-14	EMPTY	EMPTY
EP	49637-EP-EPT	CENTRALIZED SELECTIVE APPLICATION APPROVAL FOR MOBILE DEVICES	14753374.9	30-Jul-14	EMPTY	EMPTY
US	49637-US-CNT	CENTRALIZED SELECTIVE APPLICATION APPROVAL FOR MOBILE DEVICES	15/068081	11-Mar-16	EMPTY	EMPTY
US	49637-US-PAT	CENTRALIZED SELECTIVE APPLICATION APPROVAL FOR MOBILE DEVICES	13/955622	31-Jul-13	9305162	5-Apr-16
WO	49637-WO-PCT	CENTRALIZED SELECTIVE APPLICATION APPROVAL FOR MOBILE DEVICES	PCT/US2014/048968	30-Jul-14	EMPTY	EMPTY
US	49638-US-PAT	COMMUNICATION SYSTEM AND METHOD FOR COMPRESSING INFORMATION SENT BY A COMMUNICATION DEVICE TO A TARGET PORTABLE COMMUNICATION DEVICE	10/721449	25-Nov-03	7039394	2-May-06
US	49639-US-PAT	COMMUNICATION SYSTEM AND METHOD WITH MOBILE DEVICES	10/964912	13-Oct-04	7620001	17-Nov-09
CA	49640-CA-PAT	CONTEXT-AWARE RISK MEASUREMENT MOBILE DEVICE MANAGEMENT SYSTEM	2852572	28-May-14	EMPTY	EMPTY
US	49640-US-PAT	CONTEXT-AWARE RISK MEASUREMENT MOBILE DEVICE MANAGEMENT SYSTEM	13/906893	31-May-13	EMPTY	EMPTY
US	49641-US-CNT	METHOD AND SYSTEM FOR DISTRIBUTING AND UPDATING SOFTWARE IN WIRELESS DEVICES	12/577428	12-Oct-09	8078157	13-Dec-11
US	49641-US-PAT	METHOD AND SYSTEM FOR DISTRIBUTING AND UPDATING SOFTWARE IN WIRELESS DEVICES	11/363582	27-Feb-06	7620392	17-Nov-09
US	49641-US-REI	METHOD AND SYSTEM FOR DISTRIBUTING AND UPDATING SOFTWARE IN WIRELESS DEVICES	14/106534	13-Dec-13	EMPTY	EMPTY
CA	49642-CA-PAT	EXPLOIT DETECTION AND REPORTING OF A DEVICE USING SERVER CHAINING	2835933	6-Dec-13	EMPTY	EMPTY

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49642-US-PAT	EXPLOIT DETECTION AND REPORTING OF A DEVICE USING SERVER CHAINING	13/716852	17-Dec-12	EMPTY	EMPTY
US	49643-US-PAT	HANDLING OF CONTENT IN A DATA PROCESSING DEVICE	10/923650	20-Aug-04	7672978	2-Mar-10
CN	49644-CN-PCT	CLIPBOARD MANAGEMENT	2.0148E+11	7-Jan-14	EMPTY	EMPTY
EP	49644-EP-EPT	CLIPBOARD MANAGEMENT	14738085.1	7-Jan-14	EMPTY	EMPTY
HK	49644-HK-FPR	CLIPBOARD MANAGEMENT	16103757.9	1-Apr-16	EMPTY	EMPTY
US	49644-US-CNT	CLIPBOARD MANAGEMENT	14/793115	7-Jul-15	EMPTY	EMPTY
US	49644-US-PRV	CLIPBOARD MANAGEMENT	61/750108	8-Jan-13	EMPTY	EMPTY
WO	49644-WO-PCT	CLIPBOARD MANAGEMENT	PCT/US2014/010559	7-Jan-14	EMPTY	EMPTY
IL	49645-IL-PAT	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A WORKSPACE ELEMENT IN A FIREWALL PROTECTED NETWORK	125977	28-Aug-98	125977	13-Apr-03
US	49646-US-PAT	PASSWORD RETRIEVAL SYSTEM AND METHOD INVOLVING TOKEN USAGE WITHOUT PRIOR KNOWLEDGE OF THE PASSWORD	14/263836	28-Apr-14	EMPTY	EMPTY
US	49647-US-PAT	WIRELESS DEVICE DORMANCY OVERRIDE	11/146820	7-Jun-05	7590403	15-Sep-09
US	49648-US-PAT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	15/097170	12-Apr-16	EMPTY	EMPTY
US	49648-US-PRV	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	62/147933	15-Apr-15	EMPTY	EMPTY
WO	49648-WO-PCT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	PCT/US2016/027149	12-Apr-16	EMPTY	EMPTY
CN	49649-CN-PCT	METHOD FOR DISPLAYING A DATA SET	2.0118E+11	21-Oct-11	EMPTY	EMPTY
EP	49649-EP-EPT	METHOD FOR DISPLAYING A DATA SET	11782076.1	21-Oct-11	EMPTY	EMPTY
US	49649-US-PAT	DISPLAYING SELECTED PORTIONS OF DATA SETS ON DISPLAY DEVICES	12/912571	26-Oct-10	EMPTY	EMPTY
WO	49649-WO-PCT	METHOD FOR DISPLAYING A DATA SET	PCT/EP2011/068458	21-Oct-11	EMPTY	EMPTY
CN	49650-CN-PCT	METHOD, APPARATUS AND SYSTEM FOR PROVISIONING A PUSH NOTIFICATION SESSION	2.0128E+11	6-Feb-12	EMPTY	EMPTY
EP	49650-EP-EPT	METHOD, APPARATUS AND SYSTEM FOR PROVISIONING A PUSH NOTIFICATION SESSION	12705012.8	6-Feb-12	EMPTY	EMPTY
US	49650-US-CNT	METHOD, APPARATUS AND SYSTEM FOR PROVISIONING A PUSH NOTIFICATION SESSION	13/845435	18-Mar-13	EMPTY	EMPTY

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49650-US-CNT[2]	METHOD, APPARATUS AND SYSTEM FOR PROVISIONING A PUSH NOTIFICATION SESSION	14/973290	17-Dec-15	EMPTY	EMPTY
US	49650-US-PAT	METHOD, APPARATUS AND SYSTEM FOR PROVISIONING A PUSH NOTIFICATION SESSION	13/025984	11-Feb-11	8407776	26-Mar-13
WO	49650-WO-PCT	METHOD, APPARATUS AND SYSTEM FOR PROVISIONING A PUSH NOTIFICATION SESSION	PCT/US2012/024021	6-Feb-12	EMPTY	EMPTY
EP	49651-EP-EPT	SYSTEM, APPARATUS AND ASSOCIATED METHODOLOGY FOR ENRICHING CONTACT OF A REMOTE CLIENT	9812250	4-Sep-09	EMPTY	EMPTY
US	49651-US-CNT	SYSTEM, APPARATUS AND ASSOCIATED METHODOLOGY FOR ENRICHING CONTACT OF A REMOTE CLIENT	14/567992	11-Dec-14	EMPTY	EMPTY
US	49651-US-PAT	SYSTEM, APPARATUS AND ASSOCIATED METHODOLOGY FOR ENRICHING CONTACT OF A REMOTE CLIENT	12/554428	4-Sep-09	8942675	27-Jan-15
US	49651-US-PRV	SYSTEM AND ASSOCIATED METHODOLOGY OF ENRICHING CONTACTS OF A REMOTE CLIENT	61/094450	5-Sep-08	EMPTY	EMPTY
WO	49651-WO-PCT	SYSTEM, APPARATUS AND ASSOCIATED METHODOLOGY FOR ENRICHING CONTACT OF A REMOTE CLIENT	PCT/US2009/055962	4-Sep-09	EMPTY	EMPTY
US	49652-US-CNT	SYSTEM AND METHOD OF DATA SECURITY IN SYNCHRONIZING DATA WITH A WIRELESS DEVICE	13/183138	14-Jul-11	8429128	23-Apr-13
US	49652-US-CNT[2]	SYSTEM AND METHOD OF DATA SECURITY IN SYNCHRONIZING DATA WITH A WIRELESS DEVICE	13/847621	20-Mar-13	9158829	13-Oct-15
US	49652-US-PAT	SYSTEM AND METHOD OF DATA SECURITY IN SYNCHRONIZING DATA WITH A WIRELESS DEVICE	11/261529	28-Oct-05	8001082	16-Aug-11
US	49652-US-PRV	SYSTEM AND METHOD OF DATA SECURITY IN SYNCHRONIZING DATA WITH A PDA	60/622813	28-Oct-04	EMPTY	EMPTY
JP	49653-JP-PAT	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A WORKSPACE ELEMENT IN A NETWORK	10-251467	4-Sep-98	3474453	19-Sep-03
CN	49654-CN-PCT	SERVICE MANAGEMENT SYSTEM & ASSOCIATED METHODOLOGY OF PROVIDING SERVICE RELATED MESSAGE PRIORITIZATION IN A MOBILE CLIENT	2.0088E+11	5-Nov-08	EMPTY	EMPTY
EP	49654-EP-EPT	SERVICE MANAGEMENT SYSTEM & ASSOCIATED METHODOLOGY OF PROVIDING SERVICE RELATED MESSAGE PRIORITIZATION IN A MOBILE CLIENT	8847344.2	5-Nov-08	EMPTY	EMPTY

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
IN	49654-IN-PCT	SERVICE MANAGEMENT SYSTEM FOR PROVIDING SERVICE RELATED MESSAGE PRIORITIZATION IN A MOBILE CLIENT	3107/DELNP/2010	5-Nov-08	EMPTY	EMPTY
KR	49654-KR-PCT	SERVICE MANAGEMENT SYSTEM & ASSOCIATED METHODOLOGY OF PROVIDING SERVICE RELATED MESSAGE PRIORITIZATION IN A MOBILE CLIENT	10-2010-7010463	5-Nov-08	EMPTY	EMPTY
US	49654-US-CNT	SERVICE MANAGEMENT SYSTEM & ASSOCIATED METHODOLOGY OF PROVIDING SERVICE RELATED MESSAGE PRIORITIZATION IN A MOBILE CLIENT	12/770936	30-Apr-10	8150431	3-Apr-12
US	49654-US-PRV	SERVICE MANAGEMENT SYSTEM & ASSOCIATED METHODOLOGY OF PROVIDING SERVICE RELATED MESSAGE PRIORITIZATION IN A MOBILE CLIENT	60/985354	5-Nov-07	EMPTY	EMPTY
WO	49654-WO-PCT	SERVICE MANAGEMENT SYSTEM & ASSOCIATED METHODOLOGY OF PROVIDING SERVICE RELATED MESSAGE PRIORITIZATION IN A MOBILE CLIENT	PCT/US2008/082450	5-Nov-08	EMPTY	EMPTY
US	49655-US-PRV	MANAGING APPLICATIONS	62/047573	8-Sep-14	EMPTY	EMPTY
WO	49655-WO-PCT	SHARED LOCK STATE	PCT/US2015/048685	4-Sep-15	EMPTY	EMPTY
US	49656-US-PRV	MANAGING APPLICATIONS	62/047416	8-Sep-14	EMPTY	EMPTY
WO	49656-WO-PCT	MONITORING USER ACTIVITY	PCT/US2015/048706	4-Sep-15	EMPTY	EMPTY
US	49657-US-PRV	MESSAGE SERVICE	62/055202	25-Sep-14	EMPTY	EMPTY
WO	49657-WO-PCT	MESSAGE SERVICE	PCT/US2015/051771	23-Sep-15	EMPTY	EMPTY
US	49658-US-PAT	MANAGING ACCESS TO RESOURCES	15/053805	25-Feb-16	EMPTY	EMPTY
US	49658-US-PRV	MANAGING ACCESS TO RESOURCES	62/199487	31-Jul-15	EMPTY	EMPTY
WO	49658-WO-PCT	MANAGING ACCESS TO RESOURCES	PCT/US2016/019631	25-Feb-16	EMPTY	EMPTY
CN	49659-CN-PCT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	99813140.7	21-Sep-99	99813140.7	26-Nov-03
DE	49659-DE-EPT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	99948341.5	21-Sep-99	69944690.2	3-Apr-13
EA	49659-EA-EAT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	200100420	21-Sep-99	EMPTY	EMPTY
EP	49659-EP-EPT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	99948341.5	21-Sep-99	1127321	3-Apr-13
ES	49659-ES-EPT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	99948341.5	21-Sep-99	1127321	3-Apr-13

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
FR	49659-FR-EPT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	99948341.5	21-Sep-99	1127321	3-Apr-13
GB	49659-GB-EPT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	99948341.5	21-Sep-99	1127321	3-Apr-13
HK	49659-HK-FPR	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	20020104217	4-Jun-02	1042572	8-Oct-04
JP	49659-JP-PCT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	2000-575049	21-Sep-99	4757384	10-Jun-11
NL	49659-NL-EPT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	99948341.5	21-Sep-99	1127321	3-Apr-13
US	49659-US-PAT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	09/167044	5-Oct-98	6131096	10-Oct-00
WO	49659-WO-PCT	SYSTEM AND METHOD FOR UPDATING A REMOTE DATABASE IN A NETWORK	PCT/US1999/021723	21-Sep-99	EMPTY	EMPTY
US	49660-1-US-CNT	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A WORKSPACE ELEMENT IN A NETWORK	09/179252	26-Oct-98	5968131	19-Oct-99
US	49660-1-US-PAT	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A WORKSPACE ELEMENT IN A NETWORK	08/835997	11-Apr-97	6085192	4-Jul-00
US	49660-1-US-REX	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A WORKSPACE ELEMENT IN A NETWORK	90/010242	11-Aug-08	EMPTY	EMPTY
US	49660-1-US-REX[2]	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A WORKSPACE ELEMENT IN A NETWORK	90/010259	28-Aug-08	EMPTY	EMPTY
US	49660-1-US-REX[3]	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A WORKSPACE ELEMENT IN A NETWORK	90/010442	4-Mar-09	EMPTY	EMPTY
US	49660-1-US-REX[4]	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A WORKSPACE ELEMENT IN A NETWORK	90/008062	23-Jun-06	EMPTY	EMPTY
US	49660-1-US-REX[5]	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A	90/007040	18-May-04	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
		WORKSPACE ELEMENT IN A NETWORK				
US	49660-1-US-REX[6]	SYSTEM AND METHOD FOR SECURELY SYNCHRONIZING MULTIPLE COPIES OF A WORKSPACE ELEMENT IN A NETWORK	90/007093	18-Jun-04	EMPTY	EMPTY
US	49660-2-US-PAT	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	08/841950	8-Apr-97	7287271	23-Oct-07
US	49660-2-US-REX	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	90/010499	EMPTY	EMPTY	EMPTY
AT	49660-3-AT-EPA	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7102846.8	21-Jul-98	1783675	15-Oct-08
AT	49660-3-AT-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08
AT	49660-3-AT-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
AT	49660-3-AT-ETD[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	6009953.8	21-Jul-98	1722321	15-Oct-08
BE	49660-3-BE-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
CA	49660-3-CA-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	2296432	21-Jul-98	EMPTY	EMPTY
CH	49660-3-CH-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
CN	49660-3-CN-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98808393	21-Jul-98	EMPTY	EMPTY
CY	49660-3-CY-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
DE	49660-3-DE-EPA	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR	7102846.8	21-Jul-98	1783675	15-Oct-08

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
		TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK				
DE	49660-3-DE-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08
DE	49660-3-DE-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
DE	49660-3-DE-ETD[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	6009953.8	21-Jul-98	1722321	15-Oct-08
DK	49660-3-DK-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
EP	49660-3-EP-EPA	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7102846.8	21-Jul-98	1783675	15-Oct-08
EP	49660-3-EP-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08
EP	49660-3-EP-EPT	SYSTEM AND METHOD FOR SYNCHRONIZING ELECTRONIC MAIL ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
EP	49660-3-EP-ETD	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	6075422.3	21-Jul-98	EMPTY	EMPTY
EP	49660-3-EP-ETD[1]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7122412.5	21-Jul-98	EMPTY	EMPTY
EP	49660-3-EP-ETD[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	6009953.8	21-Jul-98	1722321	15-Oct-08
EP	49660-3-EP-ETD[3]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	10162316.3	21-Jul-98	EMPTY	EMPTY
ES	49660-3-ES-EPA	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7102846.8	21-Jul-98	1783675	15-Oct-08
ES	49660-3-ES-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
ES	49660-3-ES-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
ES	49660-3-ES-ETD[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	6009953.8	21-Jul-98	1722321	15-Oct-08
FI	49660-3-FI-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08
FI	49660-3-FI-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
FR	49660-3-FR-EPA	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7102846.8	21-Jul-98	1783675	15-Oct-08
FR	49660-3-FR-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08
FR	49660-3-FR-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
FR	49660-3-FR-ETD[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	6009953.8	21-Jul-98	1722321	15-Oct-08
GB	49660-3-GB-EPA	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7102846.8	21-Jul-98	1783675	15-Oct-08
GB	49660-3-GB-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08
GB	49660-3-GB-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
GB	49660-3-GB-ETD[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	6009953.8	21-Jul-98	1722321	15-Oct-08
GR	49660-3-GR-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
HK	49660-3-HK-FPR	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR	106992.5	2-Nov-00	1028283	21-Jul-06

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
		TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK				
IE	49660-3-IE-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
IL	49660-3-IL-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	134138	21-Jul-98	134138	21-Sep-04
IT	49660-3-IT-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08
IT	49660-3-IT-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
JP	49660-3-JP-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	2000-504527	21-Jul-98	3532854	12-Mar-04
LU	49660-3-LU-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
MC	49660-3-MC-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
NL	49660-3-NL-EPA	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7102846.8	21-Jul-98	1783675	15-Oct-08
NL	49660-3-NL-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08
NL	49660-3-NL-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
NL	49660-3-NL-ETD[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	6009953.8	21-Jul-98	1722321	15-Oct-08
PT	49660-3-PT-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
SE	49660-3-SE-EPA	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7102846.8	21-Jul-98	1783675	15-Oct-08

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
SE	49660-3-SE-EPA[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	7103428.4	21-Jul-98	1785927	15-Oct-08
SE	49660-3-SE-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98936865.9	21-Jul-98	996905	24-May-06
SE	49660-3-SE-ETD[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	6009953.8	21-Jul-98	1722321	15-Oct-08
SG	49660-3-SG-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	2000002212	21-Jul-98	EMPTY	EMPTY
US	49660-3-US-CIP	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	08/897888	22-Jul-97	5961590	5-Oct-99
US	49660-3-US-CNT	SYSTEM AND METHOD FOR SYNCHRONIZING ELECTRONIC MAIL BETWEEN A CLIENT SITE AND A CENTRAL SITE	08/897888	22-Jul-97	5961590	5-Oct-99
US	49660-3-US-PAT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	08/865075	29-May-97	6023708	8-Feb-00
US	49660-3-US-REX	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	90/010495	14-Apr-09	EMPTY	EMPTY
US	49660-3-US-REX[2]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	90/007421	15-Feb-05	EMPTY	EMPTY
US	49660-3-US-REX[3]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	90/007933	10-Feb-06	EMPTY	EMPTY
WO	49660-3-WO-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	PCT/US1998/014742	21-Jul-98	EMPTY	EMPTY
US	49660-4-US-CIP	SYSTEM AND METHOD FOR USING AN AUTHENTICATION APPLLET TO IDENTIFY AND AUTHENTICATE A USER IN A COMPUTER NETWORK	08/899277	23-Jul-97	6766454	20-Jul-04
WO	49660-4-WO-PCT	SYSTEM AND METHOD FOR USING AN AUTHENTICATION APPLLET TO IDENTIFY AND AUTHENTICATE A USER IN A COMPUTER NETWORK	PCT/US1998/015036	21-Jul-98	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
AT	49660-5-AT-EPT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	98936975.6	23-Jul-98	1018066	29-Sep-10
CA	49660-5-CA-PAT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	2616759	23-Jul-98	EMPTY	EMPTY
CA	49660-5-CA-PAT[2]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	2616759	23-Jul-98	EMPTY	EMPTY
CA	49660-5-CA-PCT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	2297969	23-Jul-98	EMPTY	EMPTY
CN	49660-5-CN-PCT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	98808695.6	23-Jul-98	98808695.6	12-Oct-05
DE	49660-5-DE-EPT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	98936975.6	23-Jul-98	1018066	29-Sep-10
DE	49660-5-DE-ETD	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10151490.9	23-Jul-98	2172852	7-Jan-15
DE	49660-5-DE-ETD[2]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	EP2224673	20-Jun-12
DE	49660-5-DE-ETD[3]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	2224673	20-Jun-12
EP	49660-5-EP-EPT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	98936975.6	23-Jul-98	1018066	29-Sep-10
EP	49660-5-EP-ETD	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10151490.9	23-Jul-98	2172852	7-Jan-15

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
EP	49660-5-EP-ETD[2]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10184763	23-Jul-98	EMPTY	EMPTY
EP	49660-5-EP-ETD[3]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	2224673	20-Jun-12
ES	49660-5-ES-EPT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	98936975.6	23-Jul-98	1018066	29-Sep-10
ES	49660-5-ES-ETD[2]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	2389882	20-Jun-12
ES	49660-5-ES-ETD[3]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	2224673	20-Jun-12
FR	49660-5-FR-EPT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	98936975.6	23-Jul-98	1018066	29-Sep-10
FR	49660-5-FR-ETD	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10151490.9	23-Jul-98	2172852	7-Jan-15
FR	49660-5-FR-ETD[2]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	EP2224673	20-Jun-12
FR	49660-5-FR-ETD[3]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	2224673	20-Jun-12
GB	49660-5-GB-EPT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	98936975.6	23-Jul-98	1018066	29-Sep-10
GB	49660-5-GB-ETD	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10151490.9	23-Jul-98	2172852	7-Jan-15

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
GB	49660-5-GB-ETD[2]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	EP2224673	20-Jun-12
GB	49660-5-GB-ETD[3]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	2224673	20-Jun-12
IL	49660-5-IL-PCT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	134231	23-Jul-98	EMPTY	EMPTY
JP	49660-5-JP-PCD	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	2009-045801	27-Feb-09	4563488	6-Aug-10
JP	49660-5-JP-PCT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	2000-505563	23-Jul-98	EMPTY	EMPTY
NL	49660-5-NL-EPT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	98936975.6	23-Jul-98	1018066	29-Sep-10
NL	49660-5-NL-ETD	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10151490.9	23-Jul-98	2172852	7-Jan-15
NL	49660-5-NL-ETD[2]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	EP2224673	20-Jun-12
NL	49660-5-NL-ETD[3]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10163803.9	23-Jul-98	2224673	20-Jun-12
SG	49660-5-SG-PCT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	2000003525	23-Jul-98	EMPTY	EMPTY
US	49660-5-US-CIP	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	08/903118	30-Jul-97	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49660-5-US-CNT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	09/666877	20-Sep-00	6708221	16-Mar-04
US	49660-5-US-CNT[10]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	12/489318	22-Jun-09	8812702	19-Aug-14
US	49660-5-US-CNT[11]	GLOBAL SERVER FOR AUTHENTICATING ACCESS TO REMOTE SERVICES	12/489326	22-Jun-09	8117344	14-Feb-12
US	49660-5-US-CNT[2]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	10/741113	19-Dec-03	7039679	2-May-06
US	49660-5-US-CNT[3]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	11/340083	25-Jan-06	EMPTY	EMPTY
US	49660-5-US-CNT[4]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	12/480500	8-Jun-09	8745167	3-Jun-14
US	49660-5-US-CNT[5]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	12/575387	7-Oct-09	EMPTY	EMPTY
US	49660-5-US-CNT[6]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	13/038801	2-Mar-11	9361603	7-Jun-16
US	49660-5-US-CNT[7]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	09/921228	1-Aug-01	7225231	29-May-07
US	49660-5-US-CNT[8]	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	11/693323	29-Mar-07	EMPTY	EMPTY
US	49660-5-US-CNT[9]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	12/558208	11-Sep-09	EMPTY	EMPTY
US	49660-5-US-REX	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED	90/008131	27-Jul-06	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
		INFORMATION IN A COMPUTER NETWORK				
US	49660-5-US-REX[2]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	90/008162	11-Aug-06	EMPTY	EMPTY
US	49660-5-US-REX[3]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	90/008397	29-Dec-06	EMPTY	EMPTY
US	49660-5-US-REX[4]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	90/008981	9-Jan-08	EMPTY	EMPTY
US	49660-5-US-REX[5]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	90/010299	2-Oct-08	EMPTY	EMPTY
US	49660-5-US-REX[6]	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	95/001086	2-Oct-08	EMPTY	EMPTY
WO	49660-5-WO-PCT	SYSTEM AND METHOD FOR GLOBALLY AND SECURELY ACCESSING UNIFIED INFORMATION IN A COMPUTER NETWORK	PCT/US1998/015155	23-Jul-98	EMPTY	EMPTY
CA	49660-6-CA-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	2340711	21-Aug-98	EMPTY	EMPTY
CN	49660-6-CN-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98814247.3	21-Aug-98	98814247.3	18-Feb-04
EA	49660-6-EA-EAT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	200100258	21-Aug-98	2656	26-Dec-02
EP	49660-6-EP-EPT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	98941023.8	21-Aug-98	EMPTY	EMPTY
IL	49660-6-IL-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	141493	21-Aug-98	EMPTY	EMPTY
JP	49660-6-JP-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR	2000-566755	21-Aug-98	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
		TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK				
SG	49660-6-SG-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	2001009364	21-Aug-98	EMPTY	EMPTY
WO	49660-6-WO-PCT	SYSTEM AND METHOD FOR USING A GLOBAL TRANSLATOR TO SYNCHRONIZE WORKSPACE ELEMENTS ACROSS A NETWORK	PCT/US1998/017365	21-Aug-98	EMPTY	EMPTY
US	49660-US-PAT	SYSTEM AND METHOD FOR GLOBALLY ACCESSING COMPUTER SERVICES	08/766307	13-Dec-96	6131116	10-Oct-00
US	49660-US-REX	SYSTEM AND METHOD FOR GLOBALLY ACCESSING COMPUTER SERVICES	90/010498	21-Apr-09	EMPTY	EMPTY
WO	49660-WO-PCT	SYSTEM AND METHOD FOR GLOBALLY ACCESSING COMPUTER SERVICES	PCT/US1997/022784	10-Dec-97	EMPTY	EMPTY
CA	49661-1-CA-PCT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	2483887	30-Apr-03	EMPTY	EMPTY
DE	49661-1-DE-EPT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	3726541	30-Apr-03	1502199	11-Nov-09
DE	49661-1-DE-ETD	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	9175614.8	14-Jul-10	2207328	20-Mar-13
EP	49661-1-EP-EPT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	3726541	30-Apr-03	1502199	11-Nov-09
EP	49661-1-EP-ETD	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	9175614.8	14-Jul-10	2207328	20-Mar-13
ES	49661-1-ES-EPT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	3726541	30-Apr-03	1502199	11-Nov-09
ES	49661-1-ES-ETD	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	9175614.8	14-Jul-10	2207328	20-Mar-13
FR	49661-1-FR-EPT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	3726541	30-Apr-03	1502199	11-Nov-09
FR	49661-1-FR-ETD	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	9175614.8	14-Jul-10	2207328	20-Mar-13
GB	49661-1-GB-EPT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	3726541	30-Apr-03	1502199	11-Nov-09
GB	49661-1-GB-ETD	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	9175614.8	14-Jul-10	2207328	20-Mar-13
JP	49661-1-JP-PCT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	2004-502182	30-Apr-03	4588443	17-Sep-10
NL	49661-1-NL-EPT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	3726541	30-Apr-03	1502199	10-Nov-09
NL	49661-1-NL-ETD	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	9175614.8	14-Jul-10	2207328	20-Mar-13
NO	49661-1-NO-PCT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	20045179	30-Apr-03	EMPTY	EMPTY
US	49661-1-US-CIP	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	10/425981	30-Apr-03	EMPTY	EMPTY
US	49661-1-US-CNT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	11/872633	15-Oct-07	8412805	2-Apr-13

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49661-1-US-CNT[2]	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	12/900128	7-Oct-10	9407695	2-Aug-16
US	49661-1-US-PRV	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	60/376962	30-Apr-02	EMPTY	EMPTY
WO	49661-1-WO-PCT	ADAPTIVE SYNCHRONIZATION OF SERVICE DATA	PCT/US2003/013413	30-Apr-03	EMPTY	EMPTY
CA	49661-CA-PCT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	2449753	31-May-02	EMPTY	EMPTY
DE	49661-DE-EPT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	2737257.2	31-May-02	1393185	23-Mar-11
EP	49661-EP-EPT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	2737257.2	31-May-02	1393185	23-Mar-11
ES	49661-ES-EPT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	2737257.2	31-May-02	1393185	23-Mar-11
FR	49661-FR-EPT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	2737257.2	31-May-02	1393185	23-Mar-11
GB	49661-GB-EPT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	2737257.2	31-May-02	1393185	23-Mar-11
JP	49661-JP-PCD	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	2008-256561	1-Oct-08	EMPTY	EMPTY
JP	49661-JP-PCT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	2003-502698	31-May-02	EMPTY	EMPTY
NL	49661-NL-EPT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	2737257.2	31-May-02	1393185	23-Mar-11
US	49661-US-PAT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	09/872753	1-Jun-01	7228383	5-Jun-07
US	49661-US-REI	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	12/805448	30-Jul-10	EMPTY	EMPTY
US	49661-US-REX	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	95/000332	8-Jan-08	EMPTY	EMPTY
WO	49661-WO-PCT	SYSTEM AND METHOD FOR PROGRESSIVE AND HIERARCHICAL CACHING	PCT/US2002/016951	31-May-02	EMPTY	EMPTY
CN	49662-CN-PCT	SYSTEM AND METHOD FOR AUTOMATICALLY UPDATING A WIRELESS DEVICE	3813261.3	23-Apr-03	100593165	3-Mar-10
DE	49662-DE-EPT	SYSTEM AND METHOD FOR AUTOMATICALLY UPDATING A WIRELESS DEVICE	3726450.4	23-Apr-03	60320803.7	7-May-08
EP	49662-EP-EPT	SYSTEM AND METHOD FOR AUTOMATICALLY UPDATING A WIRELESS DEVICE	3726450.4	23-Apr-03	1532538	7-May-08

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
ES	49662-ES-EPT	SYSTEM AND METHOD FOR AUTOMATICALLY UPDATING A WIRELESS DEVICE	3726450.4	23-Apr-03	1532538	7-May-08
FR	49662-FR-EPT	SYSTEM AND METHOD FOR AUTOMATICALLY UPDATING A WIRELESS DEVICE	3726450.4	23-Apr-03	1532538	7-May-08
GB	49662-GB-EPT	SYSTEM AND METHOD FOR AUTOMATICALLY UPDATING A WIRELESS DEVICE	3726450.4	23-Apr-03	1532538	7-May-08
JP	49662-JP-PCT	SYSTEM AND METHOD FOR AUTOMATICALLY UPDATING A WIRELESS DEVICE	2004/500200	23-Apr-03	EMPTY	EMPTY
US	49662-US-PAT	SYSTEM AND METHOD FOR AUTOMATICALLY UPDATING A WIRELESS DEVICE	10/133817	24-Apr-02	7447799	4-Nov-08
WO	49662-WO-PCT	SYSTEM AND METHOD FOR AUTOMATICALLY UPDATING A WIRELESS DEVICE	PCT/US2003/012799	23-Apr-03	EMPTY	EMPTY
AU	49663-AU-PCT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	2003259893	9-Aug-03	2003259893	25-Jun-09
CA	49663-CA-PCT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	2495083	9-Aug-03	EMPTY	EMPTY
CN	49663-CN-PCT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	3822497.6	9-Aug-03	3822497.6	9-Aug-03
DE	49663-DE-EPT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	3785295.1	9-Aug-03	60348609.6	2-Mar-16
DE	49663-DE-ETD	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	10185486.7	9-Aug-03	60344393.1	26-Jun-13
EP	49663-EP-EPT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	3785295.1	9-Aug-03	1535159	2-Mar-16
EP	49663-EP-ETD	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	10185486.7	9-Aug-03	2375336	26-Jun-13
EP	49663-EP-ETD[2]	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	15171944	12-Jun-15	EMPTY	EMPTY
FR	49663-FR-EPT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	3785295.1	9-Aug-03	1535159	2-Mar-16

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
FR	49663-FR-ETD	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	10185486.7	9-Aug-03	2375336	26-Jun-13
GB	49663-GB-EPT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	3785295.1	9-Aug-03	1535159	2-Mar-16
GB	49663-GB-ETD	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	10185486.7	9-Aug-03	2375336	26-Jun-13
IL	49663-IL-PCT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	166762	9-Aug-03	EMPTY	EMPTY
IN	49663-IN-PCD	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	8584/DELNP/2007	6-Nov-07	EMPTY	EMPTY
IN	49663-IN-PCT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	875/DELNP/2005	9-Aug-03	247209	30-Mar-11
JP	49663-JP-PCT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	2004-528143	9-Aug-03	4612416	22-Oct-10
NL	49663-NL-EPT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	3785295.1	9-Aug-03	1535159	2-Mar-16
NL	49663-NL-ETD	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	10185486.7	9-Aug-03	2375336	26-Jun-13
US	49663-US-CNT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	12/885061	17-Sep-10	8696765	15-Apr-14
US	49663-US-CNT[2]	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	14/192802	27-Feb-14	9083707	14-Jul-15
US	49663-US-CNT[3]	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	14/791078	2-Jul-15	EMPTY	EMPTY
US	49663-US-PAT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	10/637267	9-Aug-03	8012219	6-Sep-11

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49663-US-PRV	SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR CLEANING UP A REMOTE DEVICE THAT IS NO LONGER AUTHORIZED TO ACCESS A GLOBAL SERVER SYSTEM	60/402287	9-Aug-02	EMPTY	EMPTY
WO	49663-WO-PCT	SYSTEM AND METHOD FOR PREVENTING ACCESS TO DATA ON A COMPROMISED REMOTE DEVICE	PCT/US2003/025795	9-Aug-03	EMPTY	EMPTY
CN	49664-CN-PCT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	2.0068E+11	1-Jun-06	101449607	19-Jun-13
DE	49664-DE-EPT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	6760627.7	1-Jun-06	1891767	24-Aug-16
EP	49664-EP-EPT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	6760627.7	1-Jun-06	1891767	24-Aug-16
EP	49664-EP-ETD	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	16157162.5	24-Feb-16	EMPTY	EMPTY
FR	49664-FR-EPT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	6760627.7	1-Jun-06	1891767	24-Aug-16
GB	49664-GB-EPT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	6760627.7	1-Jun-06	1891767	24-Aug-16
JP	49664-JP-PCT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	2008-514862	1-Jun-06	EMPTY	EMPTY
NL	49664-NL-EPT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	6760627.7	1-Jun-06	1891767	24-Aug-16
US	49664-US-CNT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	13/113478	23-May-11	8351908	8-Jan-13
US	49664-US-CNT[2]	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	13/728625	27-Dec-12	8849257	30-Sep-14
US	49664-US-CNT[3]	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	14/472229	28-Aug-14	9432871	30-Aug-16
US	49664-US-PAT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	11/145391	3-Jun-05	7970386	28-Jun-11
WO	49664-WO-PCT	SYSTEM AND METHOD FOR MONITORING AND MAINTAINING A WIRELESS DEVICE	PCT/US2006/021297	1-Jun-06	EMPTY	EMPTY
US	49665-US-PAT	METHOD AND SYSTEM FOR DISTRIBUTING AND UPDATING SOFTWARE IN WIRELESS DEVICES	11/363583	27-Feb-06	7702322	20-Apr-10
CN	49666-CN-PCT	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS,	99803070.8	15-Jan-99	99803070.8	30-Apr-03

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
		MANIPULATE AND SYNCHRONIZE NETWORK DATA				
DE	49666-DE-ETD	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	9150400.1	15-Jan-99	69944105.6	14-Mar-12
EA	49666-EA-EAT	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	20000000771	15-Jan-99	2411	25-Apr-02
EP	49666-EP-EPT	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	99903138.8	15-Jan-99	EMPTY	EMPTY
EP	49666-EP-ETD	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	9150400.1	15-Jan-99	2048586	14-Mar-12
EP	49666-EP-ETD[2]	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	10184699.6	15-Jan-99	EMPTY	EMPTY
ES	49666-ES-ETD	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	9150400.1	15-Jan-99	2048586	14-Mar-12
FR	49666-FR-ETD	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	9150400.1	15-Jan-99	2048586	14-Mar-12
GB	49666-GB-ETD	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	9150400.1	15-Jan-99	2048586	14-Mar-12
HK	49666-HK-FPR	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	1107151.9	11-Oct-01	EMPTY	EMPTY
JP	49666-JP-PCD	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	2009-184961	7-Aug-09	EMPTY	EMPTY
JP	49666-JP-PCT	SYSTEM AND METHOD FOR USING A WORKSPACE DATA	2000-540509	15-Jan-99	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
		MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA				
NL	49666-NL-ETD	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	9150400.1	15-Jan-99	2048586	14-Mar-12
US	49666-US-PAT	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	09/008354	16-Jan-98	6151606	21-Nov-00
US	49666-US-REX	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	90/008292	11-Oct-06	EMPTY	EMPTY
WO	49666-WO-PCT	SYSTEM AND METHOD FOR USING A WORKSPACE DATA MANAGER TO ACCESS, MANIPULATE AND SYNCHRONIZE NETWORK DATA	PCT/US1999/000973	15-Jan-99	EMPTY	EMPTY
DE	49667-DE-EPT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	4707416.6	2-Feb-04	6.02E+11	14-Jul-10
DE	49667-DE-ETD	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	10169425.5	2-Feb-04	6.02E+11	19-Dec-12
EP	49667-EP-EPT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	4707416.6	2-Feb-04	1634162	14-Jul-10
EP	49667-EP-ETD	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	10169425.5	2-Feb-04	2325743	19-Dec-12
ES	49667-ES-EPT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	4707416.6	2-Feb-04	1634162	14-Jul-10
ES	49667-ES-ETD	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	10169425.5	2-Feb-04	2325743	19-Dec-12
FR	49667-FR-EPT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	4707416.6	2-Feb-04	1634162	14-Jul-10
FR	49667-FR-ETD	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	10169425.5	2-Feb-04	2325743	19-Dec-12
GB	49667-GB-EPT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	4707416.6	2-Feb-04	1634162	14-Jul-10
GB	49667-GB-ETD	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	10169425.5	2-Feb-04	2325743	19-Dec-12
IT	49667-IT-EPT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	4707416.6	2-Feb-04	5.0201E+14	14-Jul-10
IT	49667-IT-ETD	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	10169425.5	2-Feb-04	5.0201E+14	19-Dec-12
NL	49667-NL-EPT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	4707416.6	2-Feb-04	1634162	14-Jul-10
NL	49667-NL-ETD	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	10169425.5	2-Feb-04	2325743	19-Dec-12
US	49667-US-CNT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	12/017536	22-Jan-08	EMPTY	EMPTY
US	49667-US-CNT[2]	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	12/708277	18-Feb-10	8041776	18-Oct-11

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49667-US-CNT[3]	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	13/225786	6-Sep-11	8478829	2-Jul-13
US	49667-US-CNT[4]	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	13/923885	21-Jun-13	9059956	16-Jun-15
US	49667-US-PAT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	10/770841	2-Feb-04	7363349	22-Apr-08
US	49667-US-PRV	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	60/444213	31-Jan-03	EMPTY	EMPTY
US	49667-US-REX	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	95/001138	21-Jan-09	EMPTY	EMPTY
WO	49667-WO-PCT	ASYNCHRONOUS REAL-TIME RETRIEVAL OF DATA	PCT/US2004/002902	2-Feb-04	EMPTY	EMPTY
CN	49668-CN-PCT	ARRANGEMENT OF DATA SYNCHRONIZATION IN A TELECOMMUNICATIONS SYSTEM	2822328.4	11-Nov-02	1585944	18-Oct-06
EP	49668-EP-EPT	ARRANGEMENT OF DATA SYNCHRONIZATION IN A TELECOMMUNICATIONS SYSTEM	2777372	11-Nov-02	EMPTY	EMPTY
FI	49668-FI-PAT	ARRANGEMENT OF DATA SYNCHRONIZATION IN A TELECOMMUNICATIONS SYSTEM	20012185	12-Nov-01	EMPTY	EMPTY
KR	49668-KR-PCT	ARRANGEMENT OF DATA SYNCHRONIZATION IN A TELECOMMUNICATIONS SYSTEM	2004-7003479	11-Nov-02	945221	24-Feb-10
US	49668-US-PAT	ARRANGEMENT OF DATA SYNCHRONIZATION IN A TELECOMMUNICATIONS SYSTEM	10/292086	11-Nov-02	7376697	20-May-08
WO	49668-WO-PCT	ARRANGEMENT OF DATA SYNCHRONIZATION IN A TELECOMMUNICATIONS SYSTEM	PCT/FI2002/000886	11-Nov-02	EMPTY	EMPTY
AU	49669-AU-PCT	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	2002357731	15-Nov-02	EMPTY	EMPTY
CA	49669-CA-PCT	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	2467404	15-Nov-02	EMPTY	EMPTY
EP	49669-EP-EPT	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	2792269.9	15-Nov-02	EMPTY	EMPTY
IL	49669-IL-PCT	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	162008	15-Nov-02	EMPTY	EMPTY
JP	49669-JP-PCT	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	2003-546265	15-Nov-02	EMPTY	EMPTY
US	49669-US-CNT	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	12/796969	9-Jun-10	8069144	29-Nov-11
US	49669-US-DIV	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	12/645799	23-Dec-09	8255359	28-Aug-12
US	49669-US-PAT	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	10/295702	15-Nov-02	7752166	6-Jul-10

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49669-US-PRV	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	60/336326	15-Nov-01	EMPTY	EMPTY
WO	49669-WO-PCT	SYSTEM AND METHODS FOR ASYNCHRONOUS SYNCHRONIZATION	PCT/US2002/036777	15-Nov-02	EMPTY	EMPTY
DE	49670-DE-EPT	METHOD AND NETWORK DEVICE FOR SYNCHRONIZATION OF DATABASE DATA ROUTED THROUGH A ROUTER	2724501.8	17-Apr-02	60229885.7	12-Nov-08
EP	49670-EP-EPT	METHOD AND NETWORK DEVICE FOR SYNCHRONIZATION OF DATABASE DATA ROUTED THROUGH A ROUTER	2724501.8	17-Apr-02	1495420	12-Nov-08
FI	49670-FI-EPT	METHOD AND NETWORK DEVICE FOR SYNCHRONIZATION OF DATABASE DATA ROUTED THROUGH A ROUTER	2724501.8	17-Apr-02	1495420	12-Nov-08
FR	49670-FR-EPT	METHOD AND NETWORK DEVICE FOR SYNCHRONIZATION OF DATABASE DATA ROUTED THROUGH A ROUTER	2724501.8	17-Apr-02	1495420	12-Nov-08
GB	49670-GB-EPT	METHOD AND NETWORK DEVICE FOR SYNCHRONIZATION OF DATABASE DATA ROUTED THROUGH A ROUTER	2724501.8	17-Apr-02	1495420	12-Nov-08
NL	49670-NL-EPT	METHOD AND NETWORK DEVICE FOR SYNCHRONIZATION OF DATABASE DATA ROUTED THROUGH A ROUTER	2724501.8	17-Apr-02	1495420	12-Nov-08
US	49670-US-PAT	METHOD AND NETWORK DEVICE FOR SYNCHRONIZATION OF DATABASE DATA ROUTED THROUGH A ROUTER	10/410881	9-Apr-03	7590629	15-Sep-09
WO	49670-WO-PCT	METHOD AND NETWORK DEVICE FOR SYNCHRONIZATION OF DATABASE DATA ROUTED THROUGH A ROUTER	PCT/IB2002/001236	17-Apr-02	EMPTY	EMPTY
CN	49671-CN-PCT	AUTOMATED DATA MIGRATION	580005609.7	18-Feb-05	2.0058E+11	8-Dec-10
DE	49671-DE-EPT	AUTOMATED DATA MIGRATION	5708566.4	18-Feb-05	6.0201E+11	21-Jul-10
EP	49671-EP-EPT	AUTOMATED DATA MIGRATION	5708566.4	18-Feb-05	1719328	21-Jul-10
GB	49671-GB-EPT	AUTOMATED DATA MIGRATION	5708566.4	18-Feb-05	1719328	21-Jul-10
KR	49671-KR-PCT	AUTOMATED DATA MIGRATION	2006-7016768	18-Feb-05	888662	6-Mar-09
US	49671-US-PAT	AUTOMATED DATA MIGRATION	10/785423	23-Feb-04	EMPTY	EMPTY
WO	49671-WO-PCT	AUTOMATED DATA MIGRATION	PCT/IB2005/000439	18-Feb-05	EMPTY	EMPTY
CN	49672-CN-PCT	SYSTEM AND METHOD FOR PROVIDING SECURED ACCESS TO SERVICES	2.0118E+11	17-Jun-11	EMPTY	EMPTY
EP	49672-EP-EPT	SYSTEM AND METHOD FOR PROVIDING SECURED ACCESS TO SERVICES	11749230.6	17-Jun-11	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49672-US-PAT	SYSTEM AND METHOD FOR PROVIDING SECURED ACCESS TO SERVICES	12/791749	1-Jun-10	9350708	24-May-16
WO	49672-WO-PCT	SYSTEM AND METHOD FOR PROVIDING SECURED ACCESS TO SERVICES	PCT/IB2011/052655	17-Jun-11	EMPTY	EMPTY
CN	49673-CN-PCT	APPLICATION INSTALLATION SYSTEM	2.0128E+11	19-Oct-12	EMPTY	EMPTY
EP	49673-EP-EPT	APPLICATION INSTALLATION SYSTEM	12841035.4	19-Oct-12	EMPTY	EMPTY
US	49673-US-CNT	APPLICATION INSTALLATION SYSTEM	14/724606	28-May-15	EMPTY	EMPTY
US	49673-US-PAT	APPLICATION INSTALLATION SYSTEM	13/277051	19-Oct-11	9110750	18-Aug-15
WO	49673-WO-PCT	APPLICATION INSTALLATION SYSTEM	PCT/US2012/061040	19-Oct-12	EMPTY	EMPTY
CN	49674-CN-PCT	METHODS AND APPARATUS FOR ANONYMISING USER DATA BY AGGREGATION	2.0128E+11	15-Nov-12	EMPTY	EMPTY
EP	49674-EP-EPT	METHODS AND APPARATUS FOR ANONYMISING USER DATA BY AGGREGATION	12799091.9	15-Nov-12	EMPTY	EMPTY
US	49674-US-PAT	METHODS AND APPARATUS FOR ANONYMISING USER DATA BY AGGREGATION	13/299304	17-Nov-11	EMPTY	EMPTY
WO	49674-WO-PCT	METHODS AND APPARATUS FOR ANONYMISING USER DATA BY AGGREGATION	PCT/EP2012/072763	15-Nov-12	EMPTY	EMPTY
CN	49675-CN-PCT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	2.0138E+11	27-Feb-13	EMPTY	EMPTY
EP	49675-EP-EPT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	13755025.7	27-Feb-13	EMPTY	EMPTY
US	49675-US-CNT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	15/167488	27-May-16	EMPTY	EMPTY
US	49675-US-PAT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	13/780245	28-Feb-13	9356994	31-May-16
US	49675-US-PRV	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	61/604898	29-Feb-12	EMPTY	EMPTY
WO	49675-WO-PCT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	PCT/US2013/027972	27-Feb-13	EMPTY	EMPTY
CN	49676-CN-PCT	CONSTANT ACCESS GATEWAY AND DE-DUPLICATED DATA CACHE SERVER	2.0118E+11	24-Aug-11	2.0118E+11	20-Jan-16

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
EP	49676-EP-EPT	CONSTANT ACCESS GATEWAY AND DE-DUPPLICATED DATA CACHE SERVER	11820595.4	24-Aug-11	EMPTY	EMPTY
US	49676-US-PAT	CONSTANT ACCESS GATEWAY AND DE-DUPPLICATED DATA CACHE SERVER	13/216962	24-Aug-11	EMPTY	EMPTY
US	49676-US-PRV	CONSTANT ACCESS GATEWAY AND DE-DUPPLICATED DATA CACHE SERVER	61/376433	24-Aug-10	EMPTY	EMPTY
WO	49676-WO-PCT	CONSTANT ACCESS GATEWAY AND DE-DUPPLICATED DATA CACHE SERVER	PCT/US2011/048970	24-Aug-11	EMPTY	EMPTY
EP	49677-EP-EPT	MANAGING CONTAINERIZED APPLICATIONS	14819177.8	26-Nov-14	EMPTY	EMPTY
US	49677-US-PAT	MANAGING CONTAINERIZED APPLICATIONS ON A MOBILE DEVICE WHILE BYPASSING OPERATING SYSTEM IMPLEMENTED INTER PROCESS COMMUNICATION	14/093005	28-Nov-13	9361163	7-Jun-16
US	49677-US-PCT	MANAGING CONTAINERIZED APPLICATIONS	15/039976	26-Nov-14	EMPTY	EMPTY
WO	49677-WO-PCT	MANAGING CONTAINERIZED APPLICATIONS	PCT/US2014/067694	26-Nov-14	EMPTY	EMPTY
CN	49678-CN-PCT	MOBILE SOCIAL NETWORKING SYSTEM AND METHOD	2.0088E+11	24-Apr-08	EMPTY	EMPTY
EP	49678-EP-EPT	MOBILE SOCIAL NETWORKING SYSTEM AND METHOD	8799914	24-Apr-08	EMPTY	EMPTY
IN	49678-IN-PCT	MOBILE SOCIAL NETWORKING SYSTEM AND METHOD	1958/MUMNP/2009	24-Apr-08	EMPTY	EMPTY
KR	49678-KR-PCT	MOBILE SOCIAL NETWORKING SYSTEM AND METHOD	10-2009-7022256	24-Apr-08	EMPTY	EMPTY
US	49678-US-PAT	MOBILE SOCIAL NETWORKING SYSTEM AND METHOD	11/789695	24-Apr-07	EMPTY	EMPTY
WO	49678-WO-PCT	MOBILE SOCIAL NETWORKING SYSTEM AND METHOD	PCT/US2008/061402	24-Apr-08	EMPTY	EMPTY
CA	49679-CA-PAT	MULTI-PROFILE MOBILE DEVICE INTERFACE FOR SAME USER	2847507	24-Mar-14	EMPTY	EMPTY
US	49679-US-CNT	MULTI-PROFILE MOBILE DEVICE INTERFACE FOR SAME USER	14/977531	21-Dec-15	EMPTY	EMPTY
US	49679-US-PAT	MULTI-PROFILE MOBILE DEVICE INTERFACE FOR SAME USER	13/896543	17-May-13	EMPTY	EMPTY
CN	49680-CN-PCT	METHOD AND APPARATUS FOR THE PROCESSING OF DATA RELATING TO CALENDAR ENTRIES	2.0128E+11	10-Feb-12	EMPTY	EMPTY
EP	49680-EP-EPT	METHOD AND APPARATUS FOR THE PROCESSING OF DATA RELATING TO CALENDAR ENTRIES	12708786.4	10-Feb-12	EMPTY	EMPTY
US	49680-US-PAT	METHOD AND APPARATUS FOR THE PROCESSING OF DATA RELATING TO CALENDAR ENTRIES	13/034493	24-Feb-11	EMPTY	EMPTY
WO	49680-WO-PCT	METHOD AND APPARATUS FOR THE PROCESSING OF DATA RELATING TO CALENDAR ENTRIES	PCT/EP2012/052353	10-Feb-12	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49681-US-CIP	FRACTIONAL APPLICATIONS PRODUCT CATALOG	13/690834	30-Nov-12	8825002	2-Sep-14
US	49681-US-CNT	SYSTEM AND METHOD FOR TASK SPECIFIC, METERED BANDWIDTH CONTROL WITHIN SHARED CLIENT ENVIRONMENT ON MOBILE COMMUNICATIONS PLATFORMS	14/037602	26-Sep-13	EMPTY	EMPTY
US	49681-US-CNT[2]	SYSTEM AND METHOD FOR TASK SPECIFIC, METERED BANDWIDTH CONTROL WITHIN SHARED CLIENT ENVIRONMENT ON MOBILE COMMUNICATIONS PLATFORMS	14/037987	26-Sep-13	EMPTY	EMPTY
US	49681-US-CNT[3]	SYSTEM AND METHOD FOR TASK SPECIFIC, METERED BANDWIDTH CONTROL WITHIN SHARED CLIENT ENVIRONMENT ON MOBILE COMMUNICATIONS PLATFORMS	14/038180	26-Sep-13	EMPTY	EMPTY
US	49681-US-CNT[4]	SYSTEM AND METHOD FOR TASK SPECIFIC, METERED BANDWIDTH CONTROL WITHIN SHARED CLIENT ENVIRONMENT ON MOBILE COMMUNICATIONS PLATFORMS	14/038389	26-Sep-13	EMPTY	EMPTY
US	49681-US-CNT[5]	SYSTEM AND METHOD FOR TASK SPECIFIC, METERED BANDWIDTH CONTROL WITHIN SHARED CLIENT ENVIRONMENT ON MOBILE COMMUNICATIONS PLATFORMS	14/952835	25-Nov-15	EMPTY	EMPTY
US	49681-US-PAT	SYSTEM AND METHOD FOR TASK SPECIFIC, METERED BANDWIDTH CONTROL WITHIN SHARED CLIENT ENVIRONMENT ON MOBILE COMMUNICATIONS PLATFORMS	13/369055	8-Feb-12	8594618	26-Nov-13
US	49681-US-PRV	SYSTEM AND METHOD FOR TASK SPECIFIC, METERED BANDWIDTH CONTROL WITHIN SHARED CLIENT ENVIRONMENT ON MOBILE COMMUNICATIONS PLATFORMS	61/440471	8-Feb-11	EMPTY	EMPTY
US	49681-US-PRV[2]	SYSTEM AND METHOD FOR TASK SPECIFIC, METERED BANDWIDTH CONTROL WITHIN SHARED CLIENT ENVIRONMENT ON MOBILE COMMUNICATIONS PLATFORMS	61/563234	23-Nov-11	EMPTY	EMPTY
CN	49682-CN-PCT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	2.0138E+11	27-Feb-13	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
EP	49682-EP-EPT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	13754649.5	27-Feb-13	EMPTY	EMPTY
US	49682-US-PAT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	13/780191	28-Feb-13	9385996	5-Jul-16
US	49682-US-PRV	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	61/604894	29-Feb-12	EMPTY	EMPTY
WO	49682-WO-PCT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	PCT/US2013/027954	27-Feb-13	EMPTY	EMPTY
US	49683-US-CNT	INFORMATION REPOSITORY SYSTEM INCLUDING A WIRELESS DEVICE AND RELATED METHOD	14/951350	24-Nov-15	EMPTY	EMPTY
US	49683-US-PAT	INFORMATION REPOSITORY SYSTEM INCLUDING A WIRELESS DEVICE AND RELATED METHOD	10/171048	12-Jun-02	EMPTY	EMPTY
EP	49684-EP-EPT	SECURE COMMUNICATION CHANNELS	14868833.6	11-Dec-14	EMPTY	EMPTY
GB	49684-GB-DIV[2]	SECURE COMMUNICATION CHANNELS	1603058.7	23-Feb-16	EMPTY	EMPTY
GB	49684-GB-PAT	SECURE COMMUNICATION CHANNELS	1322032.2	12-Dec-13	2521195	29-Jun-16
GB	49684-GB-PAT[2]	SECURE COMMUNICATION CHANNELS	1322033	12-Dec-13	2521196	15-Jun-16
US	49684-US-PCT	SECURE COMMUNICATION CHANNELS	15/103998	11-Dec-14	EMPTY	EMPTY
WO	49684-WO-PCT	SECURE COMMUNICATION CHANNELS	PCT/US2014/069823	11-Dec-14	EMPTY	EMPTY
CN	49685-CN-PCT	METHOD AND DEVICE FOR EDITING WORKSPACE DATA OBJECTS	2.0118E+11	7-Jan-11	EMPTY	EMPTY
EP	49685-EP-EPT	METHOD AND DEVICE FOR EDITING WORKSPACE DATA OBJECTS	11735826.7	1-Jul-11	EMPTY	EMPTY
US	49685-US-PAT	METHOD AND DEVICE FOR EDITING WORKSPACE DATA OBJECTS	12/829157	1-Jul-10	EMPTY	EMPTY
WO	49685-WO-PCT	METHOD AND DEVICE FOR EDITING WORKSPACE DATA OBJECTS	PCT/EP2011/061161	1-Jul-11	EMPTY	EMPTY
US	49686-US-PAT	SECURE STORAGE	14/965748	10-Dec-15	EMPTY	EMPTY
US	49686-US-PRV	GOOD DYNAMICS - SUB CONTAINERS	62/101772	9-Jan-15	EMPTY	EMPTY
WO	49686-WO-PCT	SECURE STORAGE	PCT/US2015/65083	10-Dec-15	EMPTY	EMPTY
US	49687-US-PRV	SECURE STORAGE	62/091909	15-Dec-14	EMPTY	EMPTY
CN	49688-CN-PCT	HIGHLY SCALABLE AND DISTRIBUTED DATA DE-DUPLICATION	201180024508.X	16-Mar-11	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
EP	49688-EP-EPT	HIGHLY SCALABLE AND DISTRIBUTED DATA DE-DUPLICATION	11756927.7	16-Mar-11	EMPTY	EMPTY
US	49688-US-CNT	HIGHLY SCALABLE AND DISTRIBUTED DATA DE-DUPLICATION	13/865552	18-Apr-13	9110915	18-Aug-15
US	49688-US-PAT	HIGHLY SCALABLE AND DISTRIBUTED DATA DE-DUPLICATION	13/049095	16-Mar-11	8452739	28-May-13
US	49688-US-PRV	HIGHLY SCALABLE AND DISTRIBUTED DATA DE-DUPLICATION	61/314293	16-Mar-10	EMPTY	EMPTY
WO	49688-WO-PCT	HIGHLY SCALABLE AND DISTRIBUTED DATA DE-DUPLICATION	PCT/US2011/028656	16-Mar-11	EMPTY	EMPTY
CN	49689-CN-PCT	SYSTEM AND METHOD FOR PROVIDING ACCESS CREDENTIALS	2.0128E+11	2-May-12	EMPTY	EMPTY
EP	49689-EP-EPT	SYSTEM AND METHOD FOR PROVIDING ACCESS CREDENTIALS	12720376.8	2-May-12	EMPTY	EMPTY
US	49689-US-PAT	SYSTEM AND METHOD FOR PROVIDING ACCESS CREDENTIALS	13/101962	5-May-11	9130935	8-Sep-15
WO	49689-WO-PCT	SYSTEM AND METHOD FOR PROVIDING ACCESS CREDENTIALS	PCT/US2012/036175	2-May-12	EMPTY	EMPTY
CN	49690-CN-PCT	APPLICATION REGISTRATION AND INTERACTION	2.0148E+11	13-Mar-14	EMPTY	EMPTY
EP	49690-EP-EPT	APPLICATION REGISTRATION AND INTERACTION	14785180.2	13-Mar-14	EMPTY	EMPTY
HK	49690-HK-FPR	APPLICATION REGISTRATION AND INTERACTION	16104511.4	20-Apr-16	EMPTY	EMPTY
US	49690-US-CNT	APPLICATION REGISTRATION AND INTERACTION	14/852171	11-Sep-15	EMPTY	EMPTY
US	49690-US-PRV	APPLICATION REGISTRATION AND INTERACTION	61/782511	14-Mar-13	EMPTY	EMPTY
WO	49690-WO-PCT	APPLICATION REGISTRATION AND INTERACTION	PCT/US2014/026728	13-Mar-14	EMPTY	EMPTY
US	49691-US-PRV	CONTROLLING ACCESS TO A RESOURCE VIA A COMPUTING DEVICE	62/005725	30-May-14	EMPTY	EMPTY
WO	49691-WO-PCT	CONTROLLING ACCESS TO A RESOURCE VIA A COMPUTING DEVICE	PCT/US2015/033334	29-May-15	EMPTY	EMPTY
CN	49692-CN-PCT	SYSTEMS AND METHODS FOR FACILITATING SERVICE PROVISION BETWEEN APPLICATIONS	2.0138E+11	16-Jul-13	EMPTY	EMPTY
EP	49692-EP-EPT	SYSTEMS AND METHODS FOR FACILITATING SERVICE PROVISION BETWEEN APPLICATIONS	13820097.7	16-Jul-13	EMPTY	EMPTY
US	49692-US-CIP	SYSTEMS AND METHODS FOR FACILITATING SERVICE PROVISION BETWEEN APPLICATIONS	14/599310	16-Jan-15	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49692-US-PRV	SYSTEMS AND METHODS FOR FACILITATING SERVICE PROVISION BETWEEN APPLICATIONS	61/672457	17-Jul-12	EMPTY	EMPTY
WO	49692-WO-PCT	SYSTEMS AND METHODS FOR FACILITATING SERVICE PROVISION BETWEEN APPLICATIONS	PCT/US2013/050632	16-Jul-13	EMPTY	EMPTY
CN	49693-CN-PCT	DISTRIBUTED CATALOG, DATA STORE, AND INDEXING	2.0118E+11	14-Mar-11	2.0118E+11	6-Jul-16
EP	49693-EP-EPT	DISTRIBUTED CATALOG, DATA STORE, AND INDEXING	11754244.9	14-Mar-11	EMPTY	EMPTY
US	49693-US-PAT	DISTRIBUTED CATALOG, DATA STORE, AND INDEXING	13/047273	14-Mar-11	9135264	15-Sep-15
US	49693-US-PRV	DISTRIBUTED CATALOG, DATA STORE, AND INDEXING	61/313316	12-Mar-10	EMPTY	EMPTY
WO	49693-WO-PCT	DISTRIBUTED CATALOG, DATA STORE, AND INDEXING	PCT/US2011/028318	14-Mar-11	EMPTY	EMPTY
EP	49694-EP-EPT	METHOD AND DEVICE FOR GENERATING A CODE	13720811.2	10-Apr-13	EMPTY	EMPTY
US	49694-US-PAT	METHOD AND DEVICE FOR GENERATING A CODE	13/838446	15-Mar-13	EMPTY	EMPTY
US	49694-US-PRV	METHOD AND DEVICE FOR GENERATING A CODE	61/622168	10-Apr-12	EMPTY	EMPTY
WO	49694-WO-PCT	METHOD AND DEVICE FOR GENERATING A CODE	PCT/EP2013/057502	10-Apr-13	EMPTY	EMPTY
CA	49695-CA-PCT	SYSTEM AND METHOD FOR SEARCHING DISPARATE DATASTORES VIA A REMOTE DEVICE	2647737	2-Apr-07	EMPTY	EMPTY
CN	49695-CN-PCD	SYSTEM AND METHOD FOR SEARCHING DISPARATE DATASTORES VIA A REMOTE DEVICE	2.0111E+11	2-Apr-07	102194008	6-May-15
CN	49695-CN-PCT	SYSTEM AND METHOD FOR SEARCHING DISPARATE DATASTORES VIA A REMOTE DEVICE	2.0078E+11	2-Apr-07	EMPTY	EMPTY
EP	49695-EP-EPT	SYSTEM AND METHOD FOR SEARCHING DISPARATE DATASTORES VIA A REMOTE DEVICE	2007759947	2-Apr-07	EMPTY	EMPTY
EP	49695-EP-ETD	SYSTEM AND METHOD FOR SEARCHING DISPARATE DATASTORES VIA A REMOTE DEVICE	12160229.6	2-Apr-07	EMPTY	EMPTY
JP	49695-JP-PCT	SYSTEM AND METHOD FOR SEARCHING DISPARATE DATASTORES VIA A REMOTE DEVICE	2009-503332	2-Apr-07	EMPTY	EMPTY
US	49695-US-PCT	SYSTEM AND METHOD FOR SEARCHING DISPARATE DATASTORES VIA A REMOTE DEVICE	12/294708	2-Apr-07	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
US	49695-US-PRV	SYSTEM AND METHOD FOR SEARCHING DISPARATE DATASTORES VIA A REMOTE DEVICE	60/788006	31-Mar-06	EMPTY	EMPTY
WO	49695-WO-PCT	SYSTEM AND METHOD FOR SEARCHING DISPARATE DATASTORES VIA A REMOTE DEVICE	PCT/US2007/065772	2-Apr-07	EMPTY	EMPTY
EP	49696-EP-EPT	SYSTEM AND METHODS TO STORE, RETRIEVE, MANAGE, AUGMENT AND MONITOR APPLICATIONS ON APPLIANCES	10819226.1	7-Sep-10	EMPTY	EMPTY
US	49696-US-CIP	SYSTEM AND METHOD FOR REMOTE MANAGEMENT OF APPLICATIONS DOWNLOADED TO A PERSONAL PORTABLE WIRELESS APPLIANCE	12/975145	21-Dec-10	8984657	17-Mar-15
US	49696-US-CIP1	System and Methods to Store, Retrieve, Manage, Augment and Monitor Applications on Appliances	14/872647	1-Oct-15	EMPTY	EMPTY
US	49696-US-CNT	SYSTEM AND METHODS TO STORE, RETRIEVE, MANAGE, AUGMENT AND MONITOR APPLICATIONS ON APPLIANCES	14/872647	1-Oct-15	EMPTY	EMPTY
US	49696-US-PAT	SYSTEM AND METHODS TO STORE, RETRIEVE, MANAGE, AUGMENT AND MONITOR APPLICATIONS ON APPLIANCES	12/876214	6-Sep-10	9185554	10-Nov-15
US	49696-US-PRV	METHOD AND SYSTEM TO STORE, RETRIEVE, MANAGE, FUNCTIONALLY AGUMENT AND MONITOR APPLICATIONS FOR MOBILE DEVICES	61/276129	8-Sep-09	EMPTY	EMPTY
WO	49696-WO-PCT	SYSTEM AND METHODS TO STORE, RETRIEVE, MANAGE, AUGMENT AND MONITOR APPLICATIONS ON APPLIANCES	PCT/US2010/047956	7-Sep-10	EMPTY	EMPTY
EP	49697-EP-EPT	METHODS AND SYSTEM TO CREATE APPLICATIONS AND DISTRIBUTE APPLICATIONS TO A REMOTE DEVICE	8729983	15-Feb-08	EMPTY	EMPTY
US	49697-US-CNT	METHODS AND SYSTEM TO CREATE APPLICATIONS AND DISTRIBUTE APPLICATIONS TO A REMOTE DEVICE	15/249656	29-Aug-16	EMPTY	EMPTY
US	49697-US-PAT	METHODS AND SYSTEM TO CREATE APPLICATIONS AND DISTRIBUTE APPLICATIONS TO A REMOTE DEVICE	12/032093	15-Feb-08	9451009	20-Sep-16
US	49697-US-PRV	METHODS AND SYSTEM TO CREATE APPLICATIONS AND DISTRIBUTE APPLICATIONS TO A REMOTE DEVICE	60/890502	19-Feb-07	EMPTY	EMPTY

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Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
WO	49697-WO-PCT	METHODS AND SYSTEM TO CREATE APPLICATIONS AND DISTRIBUTE APPLICATIONS TO A REMOTE DEVICE	PCT/US2008/054097	15-Feb-08	EMPTY	EMPTY
CN	49698-CN-PCT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	2.0138E+11	27-Feb-13	EMPTY	EMPTY
EP	49698-EP-EPT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	13755600.7	27-Feb-13	EMPTY	EMPTY
US	49698-US-PAT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	13/780283	28-Feb-13	9319219	19-Apr-16
US	49698-US-PRV	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	61/604919	29-Feb-12	EMPTY	EMPTY
WO	49698-WO-PCT	METHOD OF OPERATING A COMPUTING DEVICE, COMPUTING DEVICE AND COMPUTER PROGRAM	PCT/US2013/027962	27-Feb-13	EMPTY	EMPTY
US	49699-US-PRV	ACCESS TO SOFTWARE APPLICATIONS	62/055857	26-Sep-14	EMPTY	EMPTY
WO	49699-WO-PCT	ACCESS TO SOFTWARE APPLICATIONS	PCT/US2015/051773	23-Sep-15	EMPTY	EMPTY
CN	49700-CN-PCT	DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION	2.0048E+11	19-Apr-04	2.0048E+11	18-Aug-10
DE	49700-DE-EPT	DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION	4728203.3	19-Apr-04	6.02E+11	22-Sep-10
EP	49700-EP-EPT	DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION	4728203.3	19-Apr-04	1618727	22-Sep-10
FR	49700-FR-EPT	DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION	4728203.3	19-Apr-04	1618727	22-Sep-10
GB	49700-GB-EPT	DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION	4728203.3	19-Apr-04	1618727	22-Sep-10
GB	49700-GB-PAT	DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION	308991.9	17-Apr-03	EMPTY	EMPTY
GB	49700-GB-PCT	DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM	408676.5	19-Apr-04	EMPTY	EMPTY

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
		COMPRISING A DISTRIBUTED SOFTWARE APPLICATION				
JP	49700-JP-PCT	DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION	2006-506148	19-Apr-04	EMPTY	EMPTY
US	49700-US-PCT	DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION	10/553721	19-Apr-04	7912896	22-Mar-11
WO	49700-WO-PCT	A DATA ACCESS, REPLICATION OR COMMUNICATION SYSTEM COMPRISING A DISTRIBUTED SOFTWARE APPLICATION	PCT/GB2004/001685	19-Apr-04	EMPTY	EMPTY
CA	49701-CA-PCT	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	2341213	21-Aug-98	2341213	26-May-09
CN	49701-CN-PCT	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	98814246.5	21-Aug-98	1227858	16-Nov-05
EA	49701-EA-EAT	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	200100257	21-Aug-98	3374	24-Apr-03
EP	49701-EP-EPT	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	98943309.9	21-Aug-98	EMPTY	EMPTY
IL	49701-IL-PCT	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	141530	21-Aug-98	EMPTY	EMPTY
JP	49701-JP-PCT	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	2000-566987	21-Aug-98	EMPTY	EMPTY
SG	49701-SG-PCT	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	2001010362	21-Aug-98	79169	30-Apr-03
WO	49701-WO-PCT	SYSTEM AND METHOD FOR ENABLING SECURE ACCESS TO SERVICES IN A COMPUTER NETWORK	PCT/US1998/017410	21-Aug-98	EMPTY	EMPTY
EP	49890-EP-EPT	COMPUTING DEVICE SECURITY	15765429.4	18-Mar-15	EMPTY	EMPTY
US	49890-US-PRV	COMPUTING DEVICE SECURITY	61/968907	21-Mar-14	EMPTY	EMPTY
WO	49890-WO-PCT	COMPUTING DEVICE SECURITY	PCT/US2015/021308	18-Mar-15	EMPTY	EMPTY
CN	49891-CN-PCT	METHODS FOR ACTIVATION OF AN APPLICATION ON A USER DEVICE	2.0148E+11	28-Jan-14	EMPTY	EMPTY

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
EP	49891-EP-EPT	METHODS FOR ACTIVATION OF AN APPLICATION ON A USER DEVICE	14746695.7	28-Jan-14	EMPTY	EMPTY
HK	49891-HK-FPR	METHODS FOR ACTIVATION OF AN APPLICATION ON A USER DEVICE	16103756	1-Apr-16	EMPTY	EMPTY
US	49891-US-CNT	METHODS FOR ACTIVATION OF AN APPLICATION ON A USER DEVICE	14/812756	29-Jul-15	EMPTY	EMPTY
US	49891-US-PRV	METHODS FOR ACTIVATION OF AN APPLICATION ON A USER DEVICE	61/758010	29-Jan-13	EMPTY	EMPTY
WO	49891-WO-PCT	METHODS FOR ACTIVATION OF AN APPLICATION ON A USER DEVICE	PCT/US2014/013457	28-Jan-14	EMPTY	EMPTY
DE	49893-DE-EPT	DYNAMIC KNOWLEDGE-BASED NETWORKING SYSTEM AND METHOD	5773570.6	19-Jul-05	6.0201E+11	16-Sep-09
EP	49893-EP-EPT	DYNAMIC KNOWLEDGE-BASED NETWORKING SYSTEM AND METHOD	5773570.6	19-Jul-05	1786821	16-Sep-09
FR	49893-FR-EPT	DYNAMIC KNOWLEDGE-BASED NETWORKING SYSTEM AND METHOD	5773570.6	19-Jul-05	1786821	16-Sep-09
GB	49893-GB-EPT	DYNAMIC KNOWLEDGE-BASED NETWORKING SYSTEM AND METHOD	5773570.6	19-Jul-05	1786821	16-Sep-09
NL	49893-NL-EPT	DYNAMIC KNOWLEDGE-BASED NETWORKING SYSTEM AND METHOD	5773570.6	19-Jul-05	1786821	16-Sep-09
US	49893-US-PAT	DYNAMIC KNOWLEDGE-BASED NETWORKING SYSTEM AND METHOD	11/186419	19-Jul-05	EMPTY	EMPTY
US	49893-US-PRV	DYNAMIC KNOWLEDGE-BASED NETWORKING SYSTEM AND METHOD	60/589355	19-Jul-04	EMPTY	EMPTY
WO	49893-WO-PCT	DYNAMIC KNOWLEDGE-BASED NETWORKING SYSTEM AND METHOD	PCT/US2005/025972	19-Jul-05	EMPTY	EMPTY
AU	49894-AU-PCT	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING AND DATA DE-DUPLICATION	2009335697	18-Dec-09	EMPTY	EMPTY
CA	49894-CA-PCT	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING AND DATA DE-DUPLICATION	2747661	18-Dec-09	EMPTY	EMPTY
CN	49894-CN-PCT	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING AND DATA DE-DUPLICATION	2.0098E+11	18-Dec-09	2.0098E+11	8-Jul-15
EP	49894-EP-EPT	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING AND DATA DE-DUPLICATION	9837974.6	18-Dec-09	EMPTY	EMPTY

SCHEDULE A

Country	BlackBerry Case Reference	Title	Serial No.	Filing Date	Grant No.	Grant Date
HK	49894-HK-FPR	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING AND DATA DE-DUPLICATION	12106045.8	20-Jun-12	EMPTY	EMPTY
IN	49894-IN-PCT	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING AND DATA DE-DUPLICATION	2995/KOLNP/2011	18-Dec-09	EMPTY	EMPTY
JP	49894-JP-PCT	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING AND DATA DE-DUPLICATION	2011-542475	18-Dec-09	5468620	7-Feb-14
US	49894-US-PAT	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING	12/642033	18-Dec-09	8589455	19-Nov-13
US	49894-US-PAT[2]	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING AND DATA DE-DUPLICATION	12/642023	18-Dec-09	7925683	12-Apr-11
US	49894-US-PRV	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING	61/138827	18-Dec-08	EMPTY	EMPTY
WO	49894-WO-PCT	METHODS AND APPARATUS FOR CONTENT-AWARE DATA PARTITIONING AND DATA DE-DUPLICATION	PCT/US2009/068687	18-Dec-09	EMPTY	EMPTY
EP	49896-EP-EPT	METHODS AND SYSTEMS FOR MANAGING MULTIPLE APPLICATIONS	EMPTY	EMPTY	EMPTY	EMPTY
US	49896-US-PAT	METHOD AND SYSTEM FOR MANAGING AND PRESENTING MULTIPLE APPLICATION CONTAINERS AS A SINGLE LOGICAL CONTAINER	14/264276	29-Apr-14	EMPTY	EMPTY
WO	49896-WO-PCT	METHODS AND SYSTEMS FOR MANAGING MULTIPLE APPLICATIONS	PCT/US2015/028085	28-Apr-15	EMPTY	EMPTY
EP	49897-EP-EPT	AUTHENTICATION SYSTEM	14812049.6	17-Nov-14	EMPTY	EMPTY
US	49897-US-PCT	AUTHENTICATION SYSTEM	15/036998	17-Nov-14	EMPTY	EMPTY
US	49897-US-PRV	AUTHENTICATION SYSTEM	61/905127	15-Nov-13	EMPTY	EMPTY
WO	49897-WO-PCT	AUTHENTICATION SYSTEM	PCT/US2014/065977	17-Nov-14	EMPTY	EMPTY
US	49898-US-PAT	MOBILE APPLICATION PERFORMANCE MANAGEMENT	13/105478	11-May-11	9158650	13-Oct-15
US	49898-US-PRV	MOBILE APPLICATION PERFORMANCE MANAGEMENT	61/370482	4-Aug-10	EMPTY	EMPTY

PATENT

RECORDED: 04/30/2017

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