

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5605383

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PROVENANCE ASSET GROUP LLC	04/05/2019
RECEIVING PARTY DATA	
Name:	SISVEL INTERNATIONAL S.A.
Street Address:	6 AVENUE MARIE-THÉRÈSE
City:	LUXEMBOURG
State/Country:	LUXEMBOURG
Postal Code:	2132
PROPERTY NUMBERS Total: 18	
Property Type	Number
Application Number:	10932899
Application Number:	11833829
Application Number:	12235132
Application Number:	12548004
Application Number:	13540900
Application Number:	13917198
Application Number:	11267538
Application Number:	12326446
Application Number:	13447394
Application Number:	11542462
Application Number:	12793670
Application Number:	13244744
Application Number:	10921079
Application Number:	12267412
Application Number:	13244776
Application Number:	13617241
Application Number:	11503465
Application Number:	12830650
CORRESPONDENCE DATA	

Fax Number: (202)372-9141

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.

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Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	122249-01
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NAME OF SUBMITTER:	BRIAN P. O'SHAUGHNESSY
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SIGNATURE:	/BRIAN P. O'SHAUGHNESSY/
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DATE SIGNED:	07/05/2019
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Total Attachments: 12

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PATENT ASSIGNMENT

This Patent Assignment (this "**Assignment**") is made effective as of April 5, 2019 (the "**Effective Date**") between Provenance Asset Group LLC, a Delaware limited liability company ("**Assignor**"), and Sisvel International S.A., a company incorporated under the laws of Luxembourg, having its registered office at 6, Avenue Marie Thérèse, 2132 Luxembourg, Grand Duchy of Luxembourg ("**Assignee**").

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Assignor hereby irrevocably sells, assigns, transfers, and conveys to Assignee all of Assignor's right, title, and interest in and to any and all of the following (collectively, the "**Patent Rights**"): (a) the patents and patent applications identified in the attached Exhibit A hereto, together with any patent issuing on any such patent application, including all inventions and discoveries claimed therein), and including any rights of priority in or to any of the foregoing patents and patent applications, (b) all reissues, extensions, renewals, reissues, reexaminations, divisionals, substitutions, provisionals, continuations, continuations-in-part, parents, conversions, continued examinations, continued prosecution applications, and domestic and foreign counterparts (collectively "**Related Cases**") of any of the patents or patent applications described in (a) above, as well as each patent and patent application throughout the world, directly or through one or more applications, that directly or indirectly derives priority from, or directly or indirectly forms a basis for priority for, any of the foregoing patents or patent applications; (c) each patent or patent application that is referenced by a terminal disclaimer filed in connection with any of the patents or patent applications identified in (a) or (b) above; (d) the patents identified in the attached Exhibit B, including all inventions and discoveries claimed therein, as well as any rights of priority in any of the foregoing patents (the patents and patent applications described in clause (a) through and including this clause (d) are, collectively, the "**Assigned Patents**"), (e) to the extent they exist, any and all rights to sue and causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Assigned Patents, including all causes of action and other enforcement rights for damages, injunctive or other equitable relief, and any other remedies of any kind (in each case for past, current, and future infringement), and all rights to collect and receive damages, royalties and other payments under or on account of each of the Assigned Patents and/or inventions claimed in the Assigned Patents, and (f) the right to apply (or continue prosecution) in any and all countries of the world for patents, design patents, utility models, certificates of invention or other governmental grants for the Patent Rights, including under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement or understanding, as well as the rights, if any, to revive any abandoned Patent Rights.

2. Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

3. Assignor hereby authorizes and requests the attorney or agent of record to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the respective patent office or governmental agency in each jurisdiction for recordation or other official recognition.

4. The construction, validity, performance, and effect of this Assignment will be governed by the laws of New York without giving effect to principles of conflicts of laws. All disputes arising out of or relating to this Assignment shall be finally settled by binding arbitration under the Rules of Arbitration of the International Chamber of Commerce by three arbitrators appointed in accordance with those Rules. The place of the arbitration shall be the city of New York, New York, United States of America, and the arbitration shall be conducted in the English language.

5. This Assignment shall be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns.

6. Any rule of construction to the effect that ambiguities are to be resolved against the drafting party will not be applied in the construction or interpretation of this Assignment. The words "include", "including" and variations thereof will be deemed to be followed by the words "without limitation". The use of "or" will not be deemed to be exclusive. This Assignment may be executed in counterparts, each of which when executed will be deemed to be an original but all of which taken together will constitute one and the same agreement.

IN WITNESS WHEREOF, intending to be legally bound, the parties through their duly authorized representatives have executed this Assignment as of the Effective Date.

PROVENANCE ASSET GROUP LLC

By: 

Name: Timothy Lynch

Title: CEO

SISVEL INTERNATIONAL S.A.

By: 

Name: MARIA FOGLIACCO

Title: CEO

Exhibit A to Patent Assignment

Patents and Patent Applications

Family No.	Ref.	Application Number	Grant Number	Country Code	Title	Inventor(s)	Filing Date	Priority Date
<u>11054</u>		2680720	2680720	CA	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS FOR MULTIPLE HOME NETWORKS	Noushad S. Naqvi Catherine M. Coode Ingo W. Weigele Scottie Zinn	2009-09-10	2003-09-03
<u>11054</u>		2478008	2478008	CA	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS FOR MULTIPLE HOME NETWORKS	Noushad S. Naqvi Catherine M. Coode Ingo W. Weigele Scottie Zinn	2004-08-20	2003-09-03
<u>11054</u>		03255483.4	60312326.0	DE	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS	Noushad S. Naqvi Catherine M. Coode Ingo W. Weigele Scottie Zinn	2003-09-03	
<u>11054</u>		03255483.4	1513358	EP	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS	Noushad S. Naqvi Catherine M. Coode Ingo W. Weigele Scottie Zinn	2003-09-03	
<u>11054</u>		03255483.4	1513358	FR	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS	Noushad S. Naqvi Catherine M. Coode Ingo W. Weigele Scottie Zinn	2003-09-03	
<u>11054</u>		03255483.4	1513358	GB	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS	Noushad S. Naqvi Catherine M. Coode Ingo W. Weigele Scottie Zinn	2003-09-03	
<u>11054</u>		05107395.1	1075996	HK	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS	Noushad S. Naqvi Catherine M. Coode Ingo W. Weigele Scottie Zinn	2005-08-23	
<u>11054</u>		11/833829	7460868	US	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS FOR MULTIPLE HOME NETWORKS	Noushad S. Naqvi Catherine M. Coode Ingo W. Weigele Scottie Zinn	2007-08-03	2003-09-03
<u>11054</u>		12/235132	7596375	US	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS FOR MULTIPLE HOME NETWORKS	Noushad S. Naqvi Catherine M. Coode Ingo W. Weigele Scottie Zinn	2008-09-22	2003-09-03

<u>11094</u>	12/548004	8275374	US	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS FOR MULTIPLE HOME NETWORKS	Noushad S. Naqvi{Catherine M. Coode}Ingo W. WeigeltScottie Zinn	2009-08-26	2003-09-03
<u>11094</u>	13/540900	8472955	US	NETWORK SELECTION METHODS AND APPARATUS WITH MULTIPLE HOME NETWORKS	Noushad S. Naqvi{Catherine M. Coode}Ingo W. WeigeltScottie Zinn	2012-07-03	2003-09-03
<u>11094</u>	13/917198	8948756	US	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS FOR MULTIPLE HOME NETWORKS	Noushad S. Naqvi{Catherine M. Coode}Ingo W. WeigeltScottie Zinn	2013-06-13	2003-09-03
<u>11094</u>	10/932899	7274993	US	HOME NETWORK NAME DISPLAYING METHODS AND APPARATUS FOR MULTIPLE HOME NETWORKS	Noushad S. Naqvi{Catherine M. Coode}Ingo W. WeigeltScottie Zinn	2004-09-02	2003-09-03
<u>30522</u>	2010257363	2010257363	AU	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang{Colin S. Ho}Mahmud-Ul Hassan	2010-12-22	2005-11-04
<u>30522</u>	2006235810	2006235810	AU	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang{Colin S. Ho}Mahmud-Ul Hassan	2006-11-02	2005-11-04
<u>30522</u>	PI0622295.1		BR	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang{Colin S. Ho}Mahmud-Ul Hassan	2011-02-21	2005-11-04
<u>30522</u>	PI0605755.1		BR	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang{Colin S. Ho}Mahmud-Ul Hassan	2006-11-01	2005-11-04
<u>30522</u>	2567115	2567115	CA	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang{Colin S. Ho}Mahmud-Ul Hassan	2006-11-03	2005-11-04

<u>30522</u>	201010576392.8	201010576392.8	CN	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang; Colin S. Ho; Mahmud-Ul Hassan	2010-12-01	2005-11-04
<u>30522</u>	200610064046.5	200610064046.5	CN	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang; Colin S. Ho; Mahmud-Ul Hassan	2006-11-03	2005-11-04
<u>30522</u>	05256859.9	602005005834.6	DE	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang; Colin S. Ho; Mahmud-Ul Hassan	2005-11-04	
<u>30522</u>	08151703.9	602005020526.8	DE	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang; Colin S. Ho; Mahmud-Ul Hassan	2008-02-20	
<u>30522</u>	10155276.8	602005029375.2	DE	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang; Colin S. Ho; Mahmud-Ul Hassan	2010-03-03	
<u>30522</u>	05256859.9	1783961	EP	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang; Colin S. Ho; Mahmud-Ul Hassan	2005-11-04	
<u>30522</u>	08151703.9	1924037	EP	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang; Colin S. Ho; Mahmud-Ul Hassan	2008-02-20	
<u>30522</u>	10155276.8	2184946	EP	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang; Colin S. Ho; Mahmud-Ul Hassan	2010-03-03	
<u>30522</u>	05256859.9	1783961	ES	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang; Colin S. Ho; Mahmud-Ul Hassan	2005-11-04	

<u>30522</u>	05256859.9	1783961	FR	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2005-11-04	
<u>30522</u>	08151703.9	1924037	FR	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2008-02-20	
<u>30522</u>	10155276.8	2184946	FR	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2010-03-03	
<u>30522</u>	05256859.9	1783961	GB	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2005-11-04	
<u>30522</u>	08151703.9	1924037	GB	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2008-02-20	
<u>30522</u>	10155276.8	2184946	GB	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2010-03-03	
<u>30522</u>	07111229.3	1102880	HK	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2007-10-17	
<u>30522</u>	10109517.3	1143266	HK	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2010-10-06	2005-11-04
<u>30522</u>	680/DEL/2011		IN	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2011-03-10	2005-11-04

30522	2372/DEL/2006		IN	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang\Colin S. Ho\Mahmud-Ul Hassan	2006-10-31	2005-11-04
30522	08151703.9	1924037	IT	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang\Colin S. Ho\Mahmud-Ul Hassan	2008-02-20	
30522	10155276.8	2184946	IT	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang\Colin S. Ho\Mahmud-Ul Hassan	2010-03-03	
30522	2011-31346	5368498	JP	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang\Colin S. Ho\Mahmud-Ul Hassan	2011-02-16	2005-11-04
30522	2006-297339	4909707	JP	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang\Colin S. Ho\Mahmud-Ul Hassan	2006-11-01	2005-11-04
30522	10-2011-0027211	10-1116459	KR	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang\Colin S. Ho\Mahmud-Ul Hassan	2011-03-25	2005-11-04
30522	10-2006-0108315	1116524	KR	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang\Colin S. Ho\Mahmud-Ul Hassan	2006-11-03	2005-11-04
30522	05256859.9	1722961	NL	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang\Colin S. Ho\Mahmud-Ul Hassan	2005-11-04	

<u>80522</u>	10155278.8	2184946	NL	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2010-03-03	
<u>80522</u>	10155278.8	2184946	SE	CONTENTION RESOLUTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS PACKET DATA NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2010-03-03	
<u>80522</u>	200607569-1	131920	SG	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2006-10-31	2005-11-04
<u>80522</u>	095140877	038527	TW	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2006-11-03	2005-11-04
<u>80522</u>	12/326446	0189611	US	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2008-12-02	
<u>80522</u>	13/447394	0379666	US	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2012-04-16	
<u>80522</u>	11/267538	7474671	US	SYSTEM AND METHOD FOR RESOLVING CONTENTION AMONG APPLICATIONS REQUIRING DATA CONNECTIONS BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WIRELESS NETWORK	Kenneth J. Liang Colin S. Ho Mahmud-Ul Hassan	2005-11-04	
<u>31338</u>	2007221785	2007221785	AU	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield Andrew M. Allen Adrian Buckley	2007-10-02	2006-10-03
<u>31338</u>	2605098	2605098	CA	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN	Michael Shenfield Andrew M. Allen Adrian Buckley	2007-10-02	2006-10-03

				IMS NETWORK ENVIRONMENT USING SIP MESSAGING			
<u>31348</u>	06121686.7	602006029270.5	DE	METHOD AND APPARATUS FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2006-10-03	
<u>31348</u>	06121686.7	1909451	EP	METHOD AND APPARATUSES FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2006-10-03	
<u>31348</u>	06121686.7	1909451	FR	METHOD AND APPARATUS FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2006-10-03	
<u>31348</u>	06121686.7	1909451	GB	METHOD AND APPARATUS FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2006-10-03	
<u>31348</u>	08110307.5	1114980	HK	METHOD AND APPARATUSES FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2008-10-03	2006-10-03
<u>31348</u>	Z158/CHE/2007	256206	IN	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2007-09-25	2006-10-03
<u>31348</u>	2007-259204	4772021	JP	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2007-10-02	2006-10-03
<u>31348</u>	2007-0099389	0940548	KR	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2007-10-02	2006-10-03
<u>31348</u>	MX/a/2007/012244	283699	MX	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2007-10-01	2006-10-03
<u>31348</u>	201002320.8	161228	SG	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2010-04-01	2006-10-03

<u>31348</u>	096135965	355828	TW	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2007-09-27	2006-10-03
<u>31348</u>	11/542462	7995565	US	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT USING SIP MESSAGING	Michael Shenfield {Andrew M. Allen }Adrian Buckley	2006-10-03	
<u>35744-1</u>	10726377.4		EP	VOICE SERVICE IN EVOLVED PACKET SYSTEM	Johanna Dwyer{Chen Ho Chin}Stefano Faccin{Richard Burbidge	2010-06-03	2009-06-03
<u>35744-1</u>	8005/CHENP/2011		IN	VOICE SERVICE IN EVOLVED PACKET SYSTEM	Johanna Dwyer{Chen Ho Chin}Stefano Faccin{Richard Burbidge	2010-06-03	2009-06-03
<u>35744-1</u>	13/244744	8879503	US	VOICE SERVICE IN EVOLVED PACKET SYSTEM	Johanna Dwyer{Chen Ho Chin}Stefano Faccin{Richard Burbidge	2011-09-26	2009-06-03
<u>35744-1</u>	12/793670		US	VOICE SERVICE IN EVOLVED PACKET SYSTEM	Johanna Dwyer{Chen Ho Chin}Stefano Faccin{Richard Burbidge	2010-06-03	2009-06-03
<u>12079</u>	2516278	2516278	CA	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2005-08-18	2004-08-18
<u>12079</u>	04254971.7	602004013575.5	DE	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2004-08-18	2004-08-18
<u>12079</u>	04254971.7	1628497	EP	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2004-08-18	
<u>12079</u>	04254971.7	1628497	ES	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2004-08-18	2004-08-18
<u>12079</u>	04254971.7	1628497	FI	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2004-08-18	2004-08-18

<u>12079</u>	04254971.7	1628497	FR	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2004-08-18	
<u>12079</u>	04254971.7	1628497	GB	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2004-08-18	2004-08-18
<u>12079</u>	04254971.7	1628497	IT	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2004-08-18	2004-08-18
<u>12079</u>	12/267412	8351940	US	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2008-11-07	
<u>12079</u>	13/244776	8290491	US	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2011-09-25	
<u>12079</u>	13/617241	8800383	US	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2012-09-14	
<u>12079</u>	10/921079	7463887	US	APPARATUS AND METHOD FOR MAKING MEASUREMENTS IN MOBILE TELECOMMUNICATIONS SYSTEM USER EQUIPMENT	Robert Harrison{Richard John George}Gjalt de Jong{Gideon Roberts	2004-08-18	

Exhibit B to Patent Assignment

Patents and Patent Applications

Family Ref. No.	Application Number	Grant Number	Country Code	Title	Inventor(s)	Filing Date	Priority Date
31258	12/830650	8542678	US	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT	Adrian Buckley	2010-07-05	2006-08-11
31258	11/503465	7760712	US	SYSTEM AND METHOD FOR MANAGING CALL CONTINUITY IN IMS NETWORK ENVIRONMENT	Adrian Buckley	2006-08-11	2006-08-11