PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FORM HOLDINGS CORP. (FORMERLY VRINGO INC.)	12/20/2017

RECEIVING PARTY DATA

Name:	NOKIA TECHNOLOGIES OY
Street Address:	KARAPORTTI 3
City:	FI-02610 ESPOO
State/Country:	FINLAND

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15018659

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NAME OF SUBMITTER:	NIRAJ A. DESAI
SIGNATURE:	/Niraj A. Desai/
DATE SIGNED:	06/11/2019

Total Attachments: 50

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged and in accordance with the Confidential Patent Assignment Agreement between Nokia Technologies and FORM Holdings Corp having an effective date of December 20, 2017, FORM Holdings Corp., a Delaware corporation formerly known as Vringo Inc. ("**Assignor**"), does hereby assign, transfer and convey unto Nokia Technologies Oy, with an office Karaportti 3, FI-02610 Espoo, Finland ("**Assignee**"), all of Assignor's entire right, title and interest in and to:

(a) all Assigned Patents and patent applications listed below (including all inventions and discoveries claimed or otherwise disclosed therein);
(b) all reissues, reexaminations, continuations, parents, continuations-in-part, divisionals and extensions (collectively "**Related Cases**") of such Assigned Patents and patent applications;
(c) Assigned Patents or patent applications (i) to which any or all of the foregoing directly or indirectly claims priority, and (ii) for which any or all of the foregoing directly or indirectly forms a basis for priority; and (d) all Related Cases (whether pending, issued, abandoned or filed in the future) and foreign counterparts to any or all of the foregoing, certificates of invention and equivalent rights worldwide (collectively "**Patent Rights**"):
Assigned Patents attached hereto.

In addition, Assignor agrees to and hereby does sell, assign, transfer and convey unto Assignee all rights (i) in and to causes of action and enforcement rights for the Patent Rights including all rights to pursue damages, injunctive relief and other remedies for past, present and future infringement of the Patent Rights, (ii) the right to apply (or continue prosecution) in any and all countries of the world for Assigned Patents, design Assigned 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, and (iii) the rights, if any, to revive prosecution of any abandoned Patent Rights.

Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all Assigned Patents or certificates of invention or equivalent which may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, its successor, assigns and other legal representatives.

* * *

[Signature Page Follows]

IN WITNESS WHEREOF, this Assignment of Patent Rights is executed at New York, USA on December 20, 2017.

ASSIGNOR

By: _____

Name: A. Nykovikov

Title: CFO

(Signature must be notarized)

Jonathan M. Kraft
Notary Public, State of New York
No. 02KR6353557
Qualified in New York County
Commission Expires January 30, 2021

APPENDIX 1 - Assigned Patents, including Exceptions

ASSIGNED PATENTS

File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A10215VI-US01	Vringo Infrastructure, Inc.	Granted	20-Jul-99	US6466794	Channel Allocation In A Mobile Communications System	Posti Harri [Fi] Peltola Jukka [Fi]
A10609VI-CN01	Vringo Infrastructure, Inc.	Granted	4-Feb-97	ZL97192088.5	Short Message Queuing Mechanism	Lahtinen Lauri [Fi]
A10609VI-FI01	Vringo Infrastructure, Inc.	Granted	5-Feb-96	FI102346	Short Message Queuing Mechanism	Lahtinen Lauri [Fi]
A10609VI-US01	Vringo Infrastructure, Inc.	Granted	29-Apr-99	US6463291	Short Message Queuing Mechanism	Lahtinen Lauri [Fi]
A10732VI-CA01	Vringo Infrastructure, Inc.	Granted	27-Mar-97	CA2250037	Speech Transmission In A Packet Network	Olkkonen Mikko [Fi] Tikka Mauri [Fi] (+1)
A10732VI-CN01	Vringo Infrastructure, Inc.	Granted	27-Mar-97	ZL97194117.3	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-DE01	Vringo Infrastructure, Inc.	Granted	27-Mar-97	DE69738106.4	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-EP01	Vringo Infrastructure, Inc.	Granted	27-Mar-97	EP894383	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-ES01	Vringo Infrastructure, Inc.	Granted	27-Mar-97	ES2292181	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-FI01	Vringo Infrastructure, Inc.	Granted	29-Mar-96	FI103456	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-FR01	Vringo Infrastructure, Inc.	Granted	27-Mar-97	FR894383	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-GB01	Vringo Infrastructure, Inc.	Granted	27-Mar-97	GB894383	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-HK01	Vringo Infrastructure, Inc.	Granted	27-Apr-99	HK1017189	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-IN01	Vringo Infrastructure, Inc.	Granted	20-Mar-97	IN206503	A Method For Transmitting A Speech, Audio Or Video Signal As Packets Of A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-IT01	Vringo Infrastructure, Inc.	Granted	27-Mar-97	IT894383	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-PH01	Vringo Infrastructure, Inc.	Granted	17-Mar-97	PH1-1997-55861	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)
A10732VI-US01	Vringo Infrastructure, Inc.	Granted	30-Apr-99	US6738374	Speech Transmission In A Packet Network	Tikka Mauri [Fi] (+1)

APPENDIX 1 - Assigned Patents, including Exceptions

File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A10762VI-US01	Vringo Infrastructure, Inc.	Granted	25-Aug-98	US6085100	Routing Short Message Reply	Tamanen Teemu [Fi]
A10765VI-CN01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	ZL98807025	Routing Short Message	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A10765VI-DE01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	DE69834402	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A10765VI-EP01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	EP0992164	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A10765VI-ES01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	ES2262233	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A10765VI-FI01	Vringo Infrastructure, Inc.	Granted	3-Jun-97	FI109511	Routing of Mobile Originated Short Messages (MO-SM) Form SMSC to the Right	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A1076SVI-FR01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	FR992164	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A1076SVI-GB01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	GB992164	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A1076SVI-IT01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	IT992164	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A1076SVI-JP01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	JP3988836	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A1076SVI-NL01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	NL992164	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A1076SVI-SE01	Vringo Infrastructure, Inc.	Granted	2-Jun-98	SE992164	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A10765VI-US01	Vringo Infrastructure, Inc.	Granted	3-Dec-99	US6292669	Routing Short Messages	Meuronen Timo [Fi] Pihko Pete [Fi] (+1)
A10780VI-EP01	Vringo Infrastructure, Inc.	Granted	2-Jan-98	EP1013004	Method And System For Repeater Management	Suonvieri Jukka [Fi]
A10780VI-ES01	Vringo Infrastructure, Inc.	Granted	2-Jan-98	ES2260826	Method For Repeater Management	Suonvieri Jukka [Fi]
A10780VI-US01	Vringo Infrastructure, Inc.	Granted	14-Sep-99	US6571284	Method For Repeater Management	Suonvieri Jukka [Fi]
A10906VI-CN01	Vringo Infrastructure, Inc.	Granted	29-Nov-00	ZL00816538.6	Call Routing In Telecommunication System	Salovuori Heikki [Fi]
A10906VI-EP01	Vringo Infrastructure, Inc.	Granted	29-Nov-00	EP1234418	Call Routing In A Telecommunication System	Salovuori Heikki [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A10906VI-GB01	Vringo Infrastructure, Inc.	Granted	29-Nov-00	GB1234418	Call Routing In A Telecommunication System	Salovuori Heikki [Fi]
A10906VI-US01	Vringo Infrastructure, Inc.	Granted	23-May-02	US7606261	Call Routing In A Telecommunication System	Salovuori Heikki [Fi]
A10919VI-CN01	Vringo Infrastructure, Inc.	Granted	4-Jun-01	ZL01810732.X	Management Of Subscriber Data In Mobile System	Anttila Ilkka [Fi] Kihlanki Oivo [Fi] (+1)
A10919VI-DE01	Vringo Infrastructure, Inc.	Granted	4-Jun-01	DE60115454.1	Management Of Subscriber Data In Mobile System	Anttila Ilkka [Fi] Kihlanki Oivo [Fi] (+1)
A10919VI-EP01	Vringo Infrastructure, Inc.	Granted	4-Jun-01	EP1303942	Management Of Subscriber Data In A Mobile System	Anttila Ilkka [Fi] Kihlanki Oivo [Fi] (+1)
A10919VI-ES01	Vringo Infrastructure, Inc.	Granted	4-Jun-01	ES2251485	Management Of Subscriber Data In Mobile System	Anttila Ilkka [Fi] Kihlanki Oivo [Fi] (+1)
A10919VI-FI01	Vringo Infrastructure, Inc.	Granted	5-Jun-00	FI111594	Management Of Subscriber Data In Mobile System	Anttila Ilkka [Fi] Kihlanki Oivo [Fi] (+1)
A10919VI-FR01	Vringo Infrastructure, Inc.	Granted	4-Jun-01	FR1303942	Management Of Subscriber Data In Mobile System	Anttila Ilkka [Fi] Kihlanki Oivo [Fi] (+1)
A10919VI-GB01	Vringo Infrastructure, Inc.	Granted	4-Jun-01	GB1303942	Management Of Subscriber Data In Mobile System	Anttila Ilkka [Fi] Kihlanki Oivo [Fi] (+1)
A10919VI-IT01	Vringo Infrastructure, Inc.	Granted	4-Jun-01	IT1303942	Management Of Subscriber Data In Mobile System	Anttila Ilkka [Fi] Kihlanki Oivo [Fi] (+1)
A10919VI-US02	Vringo Infrastructure, Inc.	Granted	14-Sep-12	US9167414	Management Of Subscriber Data In Mobile System	Anttila Ilkka [Fi] Kihlanki Oivo [Fi] (+1)
A10969VI-US01	Vringo Infrastructure, Inc.	Granted	24-Jul-01	US7012924	Process And Unit For Configuring Or Monitoring ATM Devices Comprising Registers	Storck Hubertus
A11159VI-CA01	Vringo Infrastructure, Inc.	Granted	9-Apr-98	CA2287227	Data Transmission In A Mobile Network	Rautanen Esko T [Fi] Vaitovirta Hannu [Fi] (+1)
A11159VI-CN01	Vringo Infrastructure, Inc.	Granted	9-Apr-98	ZL98804385.8	Data Transmission In A Mobile Network	Rautanen Esko T [Fi] Vaitovirta Hannu [Fi] +1)
A11159VI-DE01	Vringo Infrastructure, Inc.	Granted	9-Apr-98	DE69834917.2	Data Transmission In A Mobile Network	Rautanen Esko T [Fi] Vaitovirta Hannu [Fi] (+1)
A11159VI-EP01	Vringo Infrastructure, Inc.	Granted	9-Apr-98	EP0985288	Data Transmission In A Mobile Network	Rautanen Esko T [Fi] Vaitovirta Hannu [Fi] (+1)
A11159VI-FR01	Vringo Infrastructure, Inc.	Granted	9-Apr-98	FR985288	Method to Combine the Radio and Fixed Network Transmission Channels Effectively in the Fixed	Rautanen Esko T [Fi] Vaitovirta Hannu [Fi] (+1)
A11159VI-GB01	Vringo Infrastructure, Inc.	Granted	9-Apr-98	GB985288	Method to Combine the Radio and Fixed Network Transmission Channels Effectively in the Fixed	Rautanen Esko T [Fi] Vaitovirta Hannu [Fi] (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A11159VI-IT01	Vringo Infrastructure, Inc.	Granted	9-Apr-98	IT985288	Method to Combine the Radio and Fixed Network Transmission Channels Effectively in the Fixed	Rautanen Esko T [Fi] Vaitovirta Hannu [Fi] (+1)
A11159VI-US01	Vringo Infrastructure, Inc.	Granted	15-Oct-99	US6353605	Data Transmission In A Mobile Network	Rautanen Esko T [Fi] Vaitovirta Hannu [Fi] (+1)
A11162VI-DE01	Vringo Infrastructure, Inc.	Granted	27-Oct-97	DE69733613.1	Routing Of Packets In A Telecommunications System	Hulkkonen Matti [Fi]
A11162VI-EP01	Vringo Infrastructure, Inc.	Granted	27-Oct-97	EP941592	Routing Of Packets In A Telecommunications System	Hulkkonen Matti [Fi]
A11162VI-FR01	Vringo Infrastructure, Inc.	Granted	27-Oct-97	FR941592	Routing Of Packets In A Telecommunications System	Hulkkonen Matti [Fi]
A11162VI-GB01	Vringo Infrastructure, Inc.	Granted	27-Oct-97	GB941592	Routing Of Packets In A Telecommunications System	Hulkkonen Matti [Fi]
A11162VI-IT01	Vringo Infrastructure, Inc.	Granted	27-Oct-97	IT941592	Routing Of Packets In A Telecommunications System	Hulkkonen Matti [Fi]
A11338VI-US01	Vringo Infrastructure, Inc.	Granted	21-Sep-99	US6870839	Cross-Connecting Sub-Time Slot Data Rates	Vaisanen Pasi
A11399VI-CN01	Vringo Infrastructure, Inc.	Granted	23-Dec-98	ZL98812499.8	Calling Subscriber Validation	Harno Jarmo [Fi]
A11399VI-DE01	Vringo Infrastructure, Inc.	Granted	23-Dec-98	DE69829118.2	Calling Subscriber Validation	Harno Jarmo [Fi]
A11399VI-EP01	Vringo Infrastructure, Inc.	Granted	23-Dec-98	EP1053626	Calling Subscriber Validation	Harno Jarmo [Fi]
A11399VI-GB01	Vringo Infrastructure, Inc.	Granted	23-Dec-98	GB1053626	Calling Subscriber Validation	Harno Jarmo [Fi]
A11399VI-US01	Vringo Infrastructure, Inc.	Granted	23-Dec-98	US6678368	Calling Subscriber Validation	Harno Jarmo [Fi]
A11406VI-US01	Vringo Infrastructure, Inc.	Granted	17-Aug-00	US6345091	Telecommunication System And Method For Implementing An ISDN PBX Interface	Vernooij Antonius [Sg] Lampola Pekka [Fi]
A116020VI-DE01	Vringo Infrastructure, Inc.	Granted	27-Oct-98	DE69838103.3	Buffer Management	Sainio Sampo [Fi] Holma Maunu [Fi] (+1)
A116020VI-EP01	Vringo Infrastructure, Inc.	Granted	27-Oct-98	EP1031253	Buffer Management Method	Sainio Sampo [Fi] Holma Maunu [Fi] (+1)
A116020VI-FR01	Vringo Infrastructure, Inc.	Granted	27-Oct-98	FR1031253	Buffer Management	Sainio Sampo [Fi] Holma Maunu [Fi] (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A116020VI-US01	Vringo Infrastructure, Inc.	Granted	25-Apr-00	US6549541	Buffer Management	Sainio Sampo [Fi] Holma Maunu [Fi] (+1)
A116740VI-US01	Vringo Infrastructure, Inc.	Granted	30-Nov-00	US6954426	Method And System For Routing In An ATM Network	Suominen Jukka [Fi]
A14028VI-CA01	Vringo Infrastructure, Inc.	Granted	26-Oct-98	CA2276374	Method Of Exiting Collect Information Phase In Intelligent Network	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-CN01	Vringo Infrastructure, Inc.	Granted	26-Oct-98	CN 1121795C	Method Of Exiting Collect Information Phase In Intelligent Network	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-DE01	Vringo Infrastructure, Inc.	Granted	26-Oct-98	DE698281S1.9	Method Of Exiting Collect Information Phase In Intelligent Network	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-EP01	Vringo Infrastructure, Inc.	Granted	26-Oct-98	EP956714	Method Of Exiting Collect Information Phase In Intelligent Network	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-ES01	Vringo Infrastructure, Inc.	Granted	26-Oct-98	ES2232966	Method Of Exiting Collect Information Phase In Intelligent Network	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-FI01	Vringo Infrastructure, Inc.	Granted	30-Oct-97	FI10S981	Method Of Exiting Collect Information Phase In Intelligent Network	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-FR01	Vringo Infrastructure, Inc.	Granted	26-Oct-98	FR956714	SCP.N OHJAAMAN LISÄVALINNAN KERÄÄMISEN MONIPUOLISTAMINEN	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-GB01	Vringo Infrastructure, Inc.	Granted	26-Oct-98	GB956714	SCP.N OHJAAMAN LISÄVALINNAN KERÄÄMISEN MONIPUOLISTAMINEN	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-IT01	Vringo Infrastructure, Inc.	Granted	26-Oct-98	IT956714	SCP.N OHJAAMAN LISÄVALINNAN KERÄÄMISEN MONIPUOLISTAMINEN	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-JP01	Vringo Infrastructure, Inc.	Granted	26-Oct-98	JP4317271	Method Of Exiting Collect Information Phase In Intelligent Network	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14028VI-US01	Vringo Infrastructure, Inc.	Granted	29-Jun-99	US6393121	Method Of Exiting Collect Information Phase In Intelligent Network	Tuunanen Heikki [Fi] Krueger Andrei [Fi]
A14208VI-US02	Vringo Infrastructure, Inc.	Granted	22-May-02	US6980791	Charging Control Of Telecommunication Network Subscriber	Wallenius Jukka [Fi] Ojala Erkki [Fi]
A14268VI-EP01	Vringo Infrastructure, Inc.	Pending	23-Dec-99	EP1142236	A Data Transmission Method And A Network Element	Olkkonen Mikko [Fi] Sengodan Senthil [Us] (+3)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A14268VI-US01	Vringo Infrastructure, Inc.	Granted	4-Oct-01	US7792092	Data Transmission Method And A Network Element	Olkkonen Mikko [Fi] Sengodan Senthil [Us] (+3)
A14541VI-US01	Vringo Infrastructure, Inc.	Granted	13-Jul-01	US6466790	Cell Selection In A Radio Network	Haumont Serge Muhonen Ahti (+1)
A14633VI-US01	Vringo Infrastructure, Inc.	Granted	10-Dec-01	US7031318	Selection Of A Virtual Path Or Channel In A Communications Network	Kinnunen Matti
A14670VI-EP01	Vringo Infrastructure, Inc.	Granted	12-Apr-99	EP1169838	Packet Length Classification	Mononen Risto
A14670VI-US01	Vringo Infrastructure, Inc.	Granted	3-Oct-01	US7050403	Packet Length Classification	Mononen Risto
A14734VI-CA01	Vringo Infrastructure, Inc.	Granted	31-May-99	CA2374847	Transmission And Interconnection Method	Suvanen Jyri
A14734VI-CN01	Vringo Infrastructure, Inc.	Granted	31-May-99	CN1144487C	Communication Network And Method For Data Transmission In Communication Network	Suvanen Jyri
A14734VI-JP01	Vringo Infrastructure, Inc.	Granted	31-May-99	JP3782348	Transmission And Interconnection Method	Suvanen Jyri
A14734VI-KR01	Vringo Infrastructure, Inc.	Granted	31-May-99	KR700080	Transmission And Interconnection Method	Suvanen Jyri
A14734VI-US01	Vringo Infrastructure, Inc.	Granted	28-Nov-01	US7072358	Transmission And Interconnection Method	Suvanen Jyri
A14777VI-DE01	Vringo Infrastructure, Inc.	Granted	14-May-99	DE69940526.2	IP Telephony Gateway For Solution For Telecom Switches	Vesterinen Timo
A14777VI-DE01	Vringo Infrastructure, Inc.	Granted	14-May-99	EP1179266	IP Telephony Gateway	Vesterinen Timo
A14777VI-FR01	Vringo Infrastructure, Inc.	Granted	14-May-99	FR1179266	IP Telephony Gateway For Solution For Telecom Switches	Vesterinen Timo
A14777VI-GB01	Vringo Infrastructure, Inc.	Granted	14-May-99	GB1179266	IP Telephony Gateway For Solution For Telecom Switches	Vesterinen Timo
A14777VI-US01	Vringo Infrastructure, Inc.	Granted	23-Oct-01	US7075923	IP Telephony Gateway - Solution For Telecom Switches	Vesterinen Timo
A14786VI-DE01	Vringo Infrastructure, Inc.	Granted	23-Dec-99	DE69917686.7	Connection Management in ATM Based Network And In ATM Network Elements	Jormanainen Rainer [Fi] Harjunen Timo [Fi]
A14786VI-EP01	Vringo Infrastructure, Inc.	Granted	23-Dec-99	EP1245130	Connection Management in ATM Based Network And In ATM Network Elements	Jormanainen Rainer [Fi] Harjunen Timo [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A14786VI-US01	Vringo Infrastructure, Inc.	Granted	19-Sep-02	US7467209	Connection Management in ATM Based Network And In ATM Network Elements	Jormanainen Rainer [Fi] Harjunen Timo [Fi]
A14926VI-CA01	Vringo Infrastructure, Inc.	Granted	12-Jun-00	CA2375995	Mobility Within A Packet-Switched Telephony Network	Einola Heiiki Juhani [Fi] Suoknutti Marko Juhani [Fi]
A14926VI-CN01	Vringo Infrastructure, Inc.	Granted	12-Jun-00	CN100377S5C	Mobility Within A Packet-Switched Telephony Network	Einola Heiiki Juhani [Fi] Suoknutti Marko Juhani [Fi]
A14926VI-US01	Vringo Infrastructure, Inc.	Granted	21-Jun-99	US7502339	Mobility Within A Packet-Switched Telephony Network	Pirkola Juha Mattil [Fi] Einola Heikki Juhani [Fi]
A15038VI-BR01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	BR0013975	Relocation In A Communication System	Ahmavaara Kalle
A15038VI-CA01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	CA2384290	Relocation In A Communication System	Ahmavaara Kalle
A15038VI-CN01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	CN1373979	Relocation In Communication System	Ahmavaara Kalle
A15038VI-DE01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	DE60044939.4	Relocation of RRC Protocol In SRNS Relocation	Ahmavaara Kalle
A15038VI-EP01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	EP1212919	Relocation In A Communication System	Ahmavaara Kalle
A15038VI-ES01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	ES2348709	Relocation In A Communication System	Ahmavaara Kalle
A15038VI-GB01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	GB1212919	Relocation of RRC Protocol In SRNS Relocation	Ahmavaara Kalle
A15038VI-GG01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	GG-GP436	Relocation In A Communication System	Ahmavaara Kalle
A15038VI-JP01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	JP3602501	Relocation In A Communication System	Ahmavaara Kalle
A15038VI-KR01	Vringo Infrastructure, Inc.	Granted	13-Sep-00	KR531144	Relocation In A Communication System	Ahmavaara Kalle
A15038VI-US01	Vringo Infrastructure, Inc.	Granted	5-Jun-02	US7242933	Relocation In A Communication System	Ahmavaara Kalle
A15081VI-AU01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	AU773182	Synchronization Method And Apparatus	Raesaenen Juha
A15081VI-BE01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	BE1221212	Synchronization of Protocol Remapping	Raesaenen Juha

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A15081VI-CA01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	CA2385914	Synchronization Method And Apparatus	Raesaenen Juha
A15081VI-CH01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	CH1221212	Verfahren Und Vorrichtung Zur Synchronisierung In Einem Kommunikationsystem	Raesaenen Juha
A15081VI-CN01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	CN1172462C	Synchronization Method And Apparatus	Raesaenen Juha
A15081VI-DE01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	DE69923611.8	Synchronization Method And Apparatus	Raesaenen Juha
A15081VI-EP01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	EP1221212	Method And Apparatus For Synchronization Of A Communication System	Raesaenen Juha
A15081VI-ES01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	ES2235526	Synchronization Method And Apparatus	Raesaenen Juha
A15081VI-FR01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	FR1221212	Synchronization of Protocol Remapping	Raesaenen Juha
A15081VI-GB01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	GB1221212	Synchronization of Protocol Remapping	Raesaenen Juha
A15081VI-IT01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	IT1221212	Synchronization of Protocol Remapping	Raesaenen Juha
A15081VI-JP01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	JP3694266	Synchronization Method And Apparatus	Raesaenen Juha
A15081VI-KR01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	KR621232	Synchronization Method And Apparatus	Raesaenen Juha
A15081VI-NL01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	NL1221212	Synchronization of Protocol Remapping	Raesaenen Juha
A15081VI-SE01	Vringo Infrastructure, Inc.	Granted	11-Oct-99	SE1221212	Synchronization of Protocol Remapping	Raesaenen Juha
A15251VI-US01	Vringo Infrastructure, Inc.	Granted	17-Jul-03	US7720048	Channel Allocation In A Network Element Between At Least Two Networks	Pulkka Pekka
A15483VI-JP01	Vringo Infrastructure, Inc.	Granted	4-Jan-02	JP4357835	Routing Of Call Made To Subscriber	Uskela Sami [Fi]
A15483VI-JP02	Vringo Infrastructure, Inc.	Granted	6-Aug-08	JP4929248	Routing Of Call Given To Subscriber	Uskela Sami [Fi]
A15483VI-US01	Vringo Infrastructure, Inc.	Granted	4-Jan-02	US7043246	Routing Of Call Made To Subscriber	Uskela Sami [Fi]
A15513VI-CN01	Vringo Infrastructure, Inc.	Granted	16-Jun-00	CN1213591C	Messaging Service System And Method To Be Performed In Such System	Hallikainen Aaro [Fi] Rooke Michael [Fi] (+2)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A15513VI-DE01	Vringo Infrastructure, Inc.	Granted	16-Jun-00	DE60010529.6	Messaging Service System And Method To Be Performed In Such A System	Hallikainen Aaro [Fi] Rooke Michael [Fi] (+2)
A15513VI-EP01	Vringo Infrastructure, Inc.	Granted	16-Jun-00	EP1295465	Messaging Service System And Method To Be Performed In Such A System	Hallikainen Aaro [Fi] Rooke Michael [Fi] (+2)
A15513VI-FR01	Vringo Infrastructure, Inc.	Granted	16-Jun-00	FR1295465	Multimedia Messaging Digital Print Designation Format	Hallikainen Aaro [Fi] Rooke Michael [Fi] (+2)
A15513VI-GB01	Vringo Infrastructure, Inc.	Granted	16-Jun-00	GB1295465	Multimedia Messaging Digital Print Designation Format	Hallikainen Aaro [Fi] Rooke Michael [Fi] (+2)
A15513VI-US01	Vringo Infrastructure, Inc.	Granted	16-Jun-00	US7986422 US RE45643	Messaging Service System And Method To Be Performed In Such A System	Hallikainen Aaro [Fi] Rooke Michael [Fi] (+2)
A15513VI-US02	Vringo Infrastructure, Inc.	Notice of Allowance	22-Aug-14	US20140362397	Messaging Service System And Method To Be Performed In Such A System	Hallikainen Aaro [Fi] Rooke Michael [Fi] (+2)
A16712VI-EP01	Vringo Infrastructure, Inc.	Granted	4-Jun-03	EP1514432	A System And Method For Event Notifications In A Multimedia Network	Tuunanen Heikki [Fi] Heerman Mikael [Fi]
A16712VI-US01	Vringo Infrastructure, Inc.	Granted	13-Dec-04	US7353278	System And Method For Event Notifications In A Multimedia Network	Tuunanen Heikki [Fi] Heerman Mikael [Fi]
A16875I-CN01	Vringo Infrastructure, Inc.	Granted	24-May-04	CN1795446	Computer Cluster, Computer Node In The Cluster And State Information Transmission Method	Vainio Jukka A Jalonen Teemu V [Fi]
A16875VI-EP01	Vringo Infrastructure, Inc.	Pending	24-May-04	EP1627316	Data Collection In A Computer Cluster	Vainio Jukka A Jalonen Teemu V [Fi]
A1687SVI-JP01	Vringo Infrastructure, Inc.	Granted	24-May-04	JP4129473	Data Collection In A Computer Cluster	Vainio Jukka A Jalonen Teemu V [Fi]
A16875VI-US01	Vringo Infrastructure, Inc.	Granted	31-Jul-03	US7546366	Data Collection In A Computer Cluster	Vainio Jukka A Jalonen Teemu V [Fi]
A17007VI-DE01	Vringo Infrastructure, Inc.	Granted	4-Nov-97	DE69727641.4	Method For Sending A Secure Message In A Telecommunications System	Luo Tie
A17007VI-EP01	Vringo Infrastructure, Inc.	Granted	4-Nov-97	EP841770	Method For Sending A Secure Message In A Telecommunications System	Luo Tie

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A17007VI-FR01	Vringo Infrastructure, Inc.	Granted	4-Nov-97	FR841770	Method For Sending A Secure Message In A Telecommunications System	Luo Tie
A17007VI-GB01	Vringo Infrastructure, Inc.	Granted	4-Nov-97	GB841770	Method For Sending A Secure Message In A Telecommunications System	Luo Tie
A17007VI-US01	Vringo Infrastructure, Inc.	Granted	6-Nov-96	US5909491	Method For Sending A Secure Message In A Telecommunications System	Luo Tie
A17122VI-US01	Vringo Infrastructure, Inc.	Granted	21-Dec-00	US699619S	Channel Estimation In A Communication System	Kadous Tamer
A17233VI-CH01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	CH01378064	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-CN01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	CN1528052	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-DE01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	DE60243027.5	Cross Session Dictionary For Compression Of Text-Based Messages	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-EP01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	EP1378064	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-FR01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	EP01378064	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-GB01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	GB1378064	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-IE01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	IE1378064		
A17233VI-IN01	Vringo Infrastructure, Inc.	Granted	10-Sep-03	IN223183	Method And System For Providing Wireless Communication Using A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-LI01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	LI1378064	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-LU01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	LU1378064	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-NL01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	NL1378064	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-RU01	Vringo Infrastructure, Inc.	Granted	11-Mar-02	RU2273091	Method And System For Generating Message Compression Context	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A17233VI-US01	Vringo Infrastructure, Inc.	Granted	17-Dec-01	US7155173	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17233VI-US02	Vringo Infrastructure, Inc.	Granted	12-Sep-05	US7693492	Method And System For Providing A Context For Message Compression	Cheong Leung Ka [Fi] Le Khiem [Fi] (+1)
A17242VI-DE01	Vringo Infrastructure, Inc.	Granted	17-Jul-03	DE60331071.0	GPRS/UMTS GGSN/IGSN Acting As Mobile IP Proxy	Greis Marc [Us] Faccin Stefano [Us]
A17242VI-EP01	Vringo Infrastructure, Inc.	Granted	17-Jul-03	EP1523840	Method And Switching Device Providing Mobile IP Functionality For A Non-Mobile-IP Capable Mobile Node	Greis Marc [Us] Faccin Stefano [Us]
A17242VI-FR01	Vringo Infrastructure, Inc.	Granted	17-Jul-03	FR1523840	GPRS/UMTS GGSN/IGSN Acting As Mobile IP Proxy	Greis Marc [Us] Faccin Stefano [Us]
A17242VI-GB01	Vringo Infrastructure, Inc.	Granted	17-Jul-03	GB1523840	GPRS/UMTS GGSN/IGSN Acting As Mobile IP Proxy	Greis Marc [Us] Faccin Stefano [Us]
A17242VI-US01	Vringo Infrastructure, Inc.	Granted	19-Jul-02	US7218618	A Method Of Providing Mobile IP Functionality For A Non Mobile IP Capable Mobile Node And Switching Device For Acting As A Mobile IP Proxy	Greis Marc [Us] Faccin Stefano [Us]
A17304VI-EP01	Vringo Infrastructure, Inc.	Granted	22-Feb-99	EP1066732	Method And Apparatus For Resolving Dynamic Channel Assignment Conflict In AAL2 Negotiation Procedure	Subbiah Baranitharan [Us] Dixit Sudhir S [Us]
A17304VI-US01	Vringo Infrastructure, Inc.	Granted	24-Feb-98	US6128659	Method And Apparatus For Resolving Dynamic Channel Assignment Conflict In AAL2 Negotiation Procedure	Subbiah Baranitharan [Us] Dixit Sudhir S [Us]
A17307VI-DE01	Vringo Infrastructure, Inc.	Granted	19-May-99	DE69901031.4	Method And Apparatus For Efficient Switching Of Partial Minicells In ATM Adaptation Layer 2	Subbiah Baranitharan Dixit Sudhir S
A17307VI-EP01	Vringo Infrastructure, Inc.	Granted	19-May-99	EP1080601	Method And Apparatus For Efficient Switching Of Partial Minicells In ATM Adaptation Layer 2	Subbiah Baranitharan Dixit Sudhir S
A17307VI-US01	Vringo Infrastructure, Inc.	Granted	20-May-98	US6449276	Method And Apparatus For Efficient Switching Of Partial Minicells in ATM Adaptation Layer 2	Subbiah Baranitharan Dixit Sudhir S
A17309VI-US01	Vringo Infrastructure, Inc.	Granted	30-Jul-98	US6717948	Knowledge-Based Connection Admission Method And Apparatus For Providing Efficient Multiplexing Of Data And Speech Over AAL2	Subbiah Baranitharan

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A17315VI-CN01	Vringo Infrastructure, Inc.	Granted	9-Mar-00	CN1232082C	Generic Label Encapsulation Protocol	Ravikanth Rayadurgam [Us] Strandberg Ove [Us] (+1)
A17315VI-US01	Vringo Infrastructure, Inc.	Granted	9-Mar-99	US6331978	Generic Label Encapsulation Protocol For Carrying Label Switched Packets Over Serial Links	Ravikanth Rayadurgam [Us] Strandberg Ove [Us] (+1)
A17326VI-DE01	Vringo Infrastructure, Inc.	Granted	3-Mar-00	DE60039288.0	Mini Packet Switching In IP Based Cellular Access Networks	Subbiah Baranitharan [Us] Sengodan Senthil [Us]
A17326VI-EP01	Vringo Infrastructure, Inc.	Granted	3-Mar-00	EP1157S06	Method And Apparatus For Providing Mini Packet Switching In IP Based Cellular Access Networks	Subbiah Baranitharan [Us] Sengodan Senthil [Us]
A17326VI-FR01	Vringo Infrastructure, Inc.	Granted	3-Mar-00	FR11S7S06	Mini Packet Switching In IP Based Cellular Access Networks	Subbiah Baranitharan [Us] Sengodan Senthil [Us]
A17326VI-GB01	Vringo Infrastructure, Inc.	Granted	3-Mar-00	GB1157S06	Mini Packet Switching In IP Based Cellular Access Networks	Subbiah Baranitharan [Us] Sengodan Senthil [Us]
A17326VI-IT01	Vringo Infrastructure, Inc.	Granted	3-Mar-00	IT29517 BE/2008	Mini Packet Switching In IP Based Cellular Access Networks	Subbiah Baranitharan [Us] Sengodan Senthil [Us]
A17326VI-US01	Vringo Infrastructure, Inc.	Granted	3-Mar-00	US6366961	Method And Apparatus For Providing Mini Packet Switching In IP Based Cellular Access Networks	Subbiah Baranitharan [Us] Sengodan Senthil [Us]
A17439VI-DE01	Vringo Infrastructure, Inc.	Granted	6-Dec-02	DE60234466.2	Mechanism To Create Pinhole For Existing Session In Middlebox	Lakshmi Narayanan Ram Gopal [Us] Verma Sanjeev [Us]
A17439VI-EP01	Vringo Infrastructure, Inc.	Granted	6-Dec-02	EP1451705	A Mechanism To Create Pinhole For Existing Session In Middlebox	Lakshmi Narayanan Ram Gopal [Us] Verma Sanjeev [Us]
A17439VI-US01	Vringo Infrastructure, Inc.	Granted	6-Dec-02	US7420943	A Mechanism To Create Pinhole For Existing Session In Middlebox	Lakshmi Narayanan Ram Gopal [Us] Verma Sanjeev [Us]
A17746VI-CN01	Vringo Infrastructure, Inc.	Granted	10-Mar-05	CN1981278	Method, Apparatus And Computer Program Product Providing Quality Of Service Support In A Wireless Communications System	Zheng Haihong

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A17746VI-EP01	Vringo Infrastructure, Inc.	Pending	10-Mar-05	EP1776644	Method, Apparatus And Computer Program Product Providing Quality Of Service Support In A Wireless Communications System	Zheng Haihong
A17746VI-IN01	Vringo Infrastructure, Inc.	Granted	15-Sep-06	IN243980	Mobile Station Operable With Radio Access Network And A Packet Data Serving Node And Method For Operating Such Mobile Station	Zheng Haihong
A17746VI-JP01	Vringo Infrastructure, Inc.	Granted	10-Mar-05	JP4672002	Method, Apparatus And Computer Program Product Providing Quality Of Service Support In A Wireless Communications System	Zheng Haihong
A17746VI-MX01	Vringo Infrastructure, Inc.	Granted	11-Sep-06	MX270588	Method, Apparatus And Computer Program Product Providing Quality Of Service Support In A Wireless Communications System	Zheng Haihong
A17746VI-US01	Vringo Infrastructure, Inc.	Granted	2-Mar-05	US7558283	Method, Apparatus And Computer Program Product Providing Quality Of Service Support In A Wireless Communications System	Zheng Haihong
A17746VI-ZA01	Vringo Infrastructure, Inc.	Granted	10-Mar-05	ZA200608432	Method, Apparatus And Computer Program Product Providing Quality Of Service Support In A Wireless Communications System	Zheng Haihong
A17918VI-AT01	Vringo Infrastructure, Inc.	Granted	23-Mar-05	AT1767009	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-BE01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	BE1767009	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-BG01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	BG1767009	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A17918VI-CH01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	CH1767009	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-CN01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	CN101002484	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-DE01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	DE1767009	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-DK01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	DK1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-EP01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	EP1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-EP02	Vringo Infrastructure, Inc.	Pending	23-Jun-05	EP2645753	System And Method For Location Information To Determine The Operation Parameters Of Radio Technology In A Terminal	Jaakkola Mikko [Fi] Orava Pekko [Fi] (+1)
A17918VI-EP03	Vringo Infrastructure, Inc.	Pending	23-Jun-05	EP2663101	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko [Fi] Orava Pekko [Fi] (+1)
A17918VI-EP04	Vringo Infrastructure, Inc.	Granted	23-Jun-05	EP1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A17918VI-ES01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	ES2424678	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-FI01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	FI1767009	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-FR01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	FR1767009	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-GB01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	GB1767009	Method And Device For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-GR01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	GR3081513	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-HK02	Vringo Infrastructure, Inc.	Pending	3-Apr-14	HK14103208.6	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-IE01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	IE1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-IS01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	IS1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)

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A17918VI-IT01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	IT1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-LT01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	LT1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-LU01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	LU1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-NL01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	NL1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-PL01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	PL1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-RO01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	RO1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-SE01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	SE1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-SI01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	SI1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A17918VI-SK01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	SK1767009	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-TW01	Vringo Infrastructure, Inc.	Granted	24-Jun-05	MY139641	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A17918VI-US01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	US7289807	System And Method For Using Licensed Radio Technology To Determine The Operation Parameters Of An Unlicensed Radio Technology In A Mobile Terminal	Jaakkola Mikko Orava Pekko (+1)
A18052VI-US01	Vringo Infrastructure, Inc.	Granted	23-Jun-05	US6408063	Method And Arrangement For Complementing A Telephone Connection With Additional Information	Slotte Sverre [Fi] Karppanen Art [Fi]
A18319VI-CN01	Vringo Infrastructure, Inc.	Granted	7-Apr-00	CN1139293	Rotating Synchronization Channel (SCH) Transmission	Sebire Benoist [Fi]
A18319VI-DE01	Vringo Infrastructure, Inc.	Granted	7-Apr-00	DE60039231.7	Rotating SCH Transmission	Sebire Benoist [Fi]
A18319VI-EP01	Vringo Infrastructure, Inc.	Granted	7-Apr-00	EP1166589	Rotating Synchronization Channel (Sch) Transmission	Sebire Benoist [Fi]
A18319VI-FR01	Vringo Infrastructure, Inc.	Granted	7-Apr-00	FR1166589	Rotating SCH Transmission	Sebire Benoist [Fi]
A18319VI-GB01	Vringo Infrastructure, Inc.	Granted	7-Apr-00	GB1166589	Rotating SCH Transmission	Sebire Benoist [Fi]
A18319VI-IT01	Vringo Infrastructure, Inc.	Granted	7-Apr-00	IT1166589	Rotating SCH Transmission	Sebire Benoist [Fi]
A18319VI-NL01	Vringo Infrastructure, Inc.	Granted	7-Apr-00	NL1166589	Rotating SCH Transmission	Sebire Benoist [Fi]
A18319VI-US01	Vringo Infrastructure, Inc.	Granted	3-Jan-00	US6973060	Rotating Synchronization Channel (Sch) Transmission	Sebire Benoist [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A18965VI-AT01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	AT313233	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-BE01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	BE1330933	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-BR01	Vringo Infrastructure, Inc.	Notice of Allowance	18-Oct-01	BR PI0114863-0	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-CA01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	CA2426082	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-CH01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	CH1330933	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-CN01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	CN1227943	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-DE01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	DE60115947.0	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-EP01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	EP1330933	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-ES01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	ES2252306	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A1896SVI-FI01	Vringo Infrastructure, Inc.	Granted	24-Oct-00	FI111044	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A18965VI-FR01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	FR1330933	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-GB01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	GB1330933	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-IT01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	IT1330933	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-JP01	Vringo Infrastructure, Inc.	Granted	5-Sep-07	JP4638470	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-KR01	Vringo Infrastructure, Inc.	Granted	22-Apr-03	KR509575	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-NL01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	NL1330933	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-SE01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	SE1330933	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-SG01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	SG95367	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-US01	Vringo Infrastructure, Inc.	Granted	23-Oct-01	US7126940	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephone Network	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A18965VI-ZA01	Vringo Infrastructure, Inc.	Granted	18-Oct-01	ZA200303108	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	Vaenttinen Veijo [Fi] Rajala Jussi [Fi]
A19120VI-US01	Vringo Infrastructure, Inc.	Granted	19-Jul-04	US7647374	Method For Managing Sessions Between Network Parties, Methods, Network Element And Terminal For Managing Calls	Rajahalme Jarno [Fr] Bouret Christopher [Fi]
A19264VI-EP01	Vringo Infrastructure, Inc.	Pending	11-Mar-03	EP1500012	System And Method For Charging For Data Reception	Grundstrom Mika [Fi] Salo Juha [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A19264VI-US01	Vringo Infrastructure, Inc.	Granted	12-Mar-02	US7860806	System And Method For Charging For Data Reception	Grundstrom Mika [Fi] Salo Juha [Fi]
A19264VI-US01	Vringo Infrastructure, Inc.	Granted	11-Mar-03	CN1701329	System And Method For Charging For Data Reception	Grundstrom Mika [Fi] Salo Juha [Fi]
A19277VI-EP01	Vringo Infrastructure, Inc.	Granted	23-Nov-01	EP14S1994	Method And System For Handling Network Congestion	Kilkki Kalevi [Fi] Ruutu Jussi [Fi]
A19277VI-US01	Vringo Infrastructure, Inc.	Granted	10-May-04	US7782777	Method And System For Handling Network Congestion	Kilkki Kalevi [Fi] Ruutu Jussi [Fi]
A19437VI-DE01	Vringo Infrastructure, Inc.	Granted	20-Mar-03	DE60307707.2	Simple Admission Control For IP Based Networks	Lakkakorpi Jani [Fi]
A19437VI-EP01	Vringo Infrastructure, Inc.	Granted	20-Mar-03	EP1347603	Simple Admission Control For IP Based Radio Access Networks	Lakkakorpi Jani [Fi]
A19437VI-FR01	Vringo Infrastructure, Inc.	Granted	20-Mar-03	FR1347603	Simple Admission Control For IP Based Radio Access Networks	Lakkakorpi Jani [Fi]
A19437VI-US01	Vringo Infrastructure, Inc.	Granted	22-Mar-02	US7489632	Simple Admission Control For IP Based Networks	Lakkakorpi Jani [Fi]
A2089VI-US01	Vringo Infrastructure, Inc.	Granted	9-May-95	US5682600	Method For Starting A Short Message Transmission	Salin Hannupekka [Fi]
A2314VI-DE01	Vringo Infrastructure, Inc.	Granted	24-Sep-93	DE69331152.S	Soft Handoff In A Cellular Telecommunications System	Peter Muszynski [Fi]
A2314VI-EP01	Vringo Infrastructure, Inc.	Granted	24-Sep-93	EP720805	Soft Handoff In A Cellular Telecommunications System	Peter Muszynski[Fi]
A2314VI-US01	Vringo Infrastructure, Inc.	Granted	14-Jun-96	US5722074	Soft Handoff In A Cellular Telecommunications System	Peter Muszynski[Fi]
A2336VI-EP01	Vringo Infrastructure, Inc.	Granted	20-Sep-93	EP0656167	Method For Call Establishment	Mäenpää, Sanaa [Fi]
A2336VI-US01	Vringo Infrastructure, Inc.	Granted	23-Feb-95	US560070S	Method For Call Establishment	Mäenpää, Sanaa [Fi]
A23720VI-EP01	Vringo Infrastructure, Inc.	Granted	29-Apr-03	EP1500209	Method For Limiting Signal And Transmitter	Pajukoski Kari [Fi]
A23720VI-GB01	Vringo Infrastructure, Inc.	Granted	20-Mar-03	GB1500209	New Clipping Method	Pajukoski Kari [Fi]
A23720VI-US01	Vringo Infrastructure, Inc.	Granted	19-Oct-04	US7940857	Method For Limiting Signal And Transmitter	Pajukoski Kari [Fi]
A23857VI-DE01	Vringo Infrastructure, Inc.	Granted	1-Dec-03	DE1579640	Scheduling Retransmission In Access Networks	
A23857VI-EP01	Vringo Infrastructure, Inc.	Granted	1-Dec-03	EP1579640	Scheduling Retransmission In Radio Access Networks	Wigard Jeroen [Dk] Kolding Troels [Dk] (+4)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A23857VI-ES01	Vringo Infrastructure, Inc.	Granted	1-Dec-03	ES2416357	Scheduling Retransmission In Access Networks	Wigard Jeroen [Dk] Kolding Troels [Dk] (+4)
A23857VI-FR01	Vringo Infrastructure, Inc.	Granted	1-Dec-03	FR1579640	Scheduling Retransmission In Access Networks	Wigard Jeroen [Dk] Kolding Troels [Dk] (+4)
A23857VI-GB01	Vringo Infrastructure, Inc.	Granted	1-Dec-03	GB1579640	Scheduling Retransmission In Access Networks	Wigard Jeroen [Dk] Kolding Troels [Dk] (+4)
A23857VI-NL01	Vringo Infrastructure, Inc.	Granted	1-Dec-03	NL1579640	Scheduling Retransmission In Access Networks	Wigard Jeroen [Dk] Kolding Troels [Dk] (+4)
A23857VI-US01	Vringo Infrastructure, Inc.	Granted	23-Dec-02	US7489691	Scheduling Retransmission In Access Networks	Wigard Jeroen [Dk] Kolding Troels [Dk] (+4)
A2390VI-CN01	Vringo Infrastructure, Inc.	Granted	6-Mar-96	CN1099206	Facsimile Transmission In A Mobile Communication System	Raesaenen Juha [Fi]
A2390VI-EP01	Vringo Infrastructure, Inc.	Granted	6-Mar-96	EP0759247	Facsimile Transmission In A Mobile Communication System	Räsänen Juha [Fi]
A2390VI-US01	Vringo Infrastructure, Inc.	Granted	5-Nov-96	US5805301	Facsimile Transmission In A Mobile Communication System	Räsänen Juha [Fi]
A2398VI-CN01	Vringo Infrastructure, Inc.	Granted	18-Feb-97	CN1102015	Method And Arrangement For Making A Handover Decision In A Mobile Communication System	Vaara Tomi [Fi]
A2398VI-EP01	Vringo Infrastructure, Inc.	Granted	18-Feb-97	EP885540	Method And Arrangement For Making A Handover Decision In A Mobile Communication System	Vaara Tomi [Fi]
A2398VI-EP02	Vringo Infrastructure, Inc.	Granted	18-Feb-97	EP0885540	Method And Arrangement For Making A Handover Decision In A Mobile Communication System	Vaara Tomi [Fi]
A2398VI-GB01	Vringo Infrastructure, Inc.	Granted	18-Feb-97	GB885540	Method And Arrangement For Making A Handover Decision In A Mobile Communication System	Vaara Tomi [Fi]
A2398VI-IN01	Vringo Infrastructure, Inc.	Granted	14-Feb-97	IN200572	Method And Arrangement For Making A Handover Decision In A Mobile Communication System	Vaara Tomi [Fi]
A2398VI-PH01	Vringo Infrastructure, Inc.	Granted	17-Feb-97	PH1-1997-55589	Method And Arrangement For Making A Handover Decision In A Mobile Communication System	Vaara Tomi [Fi]
A2398VI-SG01	Vringo Infrastructure, Inc.	Granted	18-Feb-97	SG55627	Method And Arrangement For Making A Handover Decision In A Mobile Communication System	Vaara Tomi [Fi]
A2398VI-US01	Vringo Infrastructure, Inc.	Granted	8-Oct-98	US6285884	Method And Arrangement For Making A Handover Decision In A Mobile Communication System	Vaara Tomi [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A24835VI-BE01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	BE1186119	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-CH01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	CH1186119	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-CN01	Vringo Infrastructure, Inc.	Granted	28-Oct-10	CN101969326	Method For Transmitting A Sequence of Symbols, Device And Network Element	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-DE01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	DE60010882.1	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-EP01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	EP1186119	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-ES01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	ES2220484	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-FI01	Vringo Infrastructure, Inc.	Granted	9-Jul-99	FI111438	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-FR01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	FR1186119	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-GB01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	GB1186119	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-IT01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	IT1186119	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-JP01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	JP3977640	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-KR01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	KR449817	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-NL01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	NL1186119	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-SE01	Vringo Infrastructure, Inc.	Granted	6-Jul-00	SE1186119	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A24835VI-US01	Vringo Infrastructure, Inc.	Granted	17-Jul-06	US7724720	Method For Transmitting A Sequence Of Symbols	Korpela Sari [Fi] Koivisto Janne [Fi] (+1)
A25862VI-US01	Vringo Infrastructure, Inc.	Granted	26-Dec-01	US6901046	Method And Apparatus For Scheduling And Modulation And Coding Selection For Supporting Quality Of Service In Transmissions On Forward Shared Radio Channels	Hsu Liangchi Alan [Us] Cheng Mark W [Us] (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A25862VI-US02	Vringo Infrastructure, Inc.	Granted	26-Jul-04	US7561509	Method And Apparatus For Scheduling And Modulation And Coding Selection For Supporting Quality Of Service In Transmissions On Forward Shared Radio Channels	Hsu Liangchi Alan [Us] Cheng Mark W [Us] (+1)
A25862VI-US03	Vringo Infrastructure, Inc.	Granted	21-Feb-08	US8774102	Method And Apparatus For Scheduling And Modulation And Coding Selection For Supporting Quality Of Service In Transmissions On Forward Shared Radio Channels	Hsu Liangchi Alan [Us] Cheng Mark W [Us] (+1)
A25862VI-US04	Vringo Infrastructure, Inc.	Granted	14-Sep-12	US8929316	Identifiers In A Communication System	Hsu Liangchi Alan [Us] Cheng Mark W [Us] (+1)
A25975VI-US01	Vringo Infrastructure, Inc.	Granted	28-Jun-02	US6665309	Apparatus, And Associated Method, For Generating Assignment Information Used Pursuant To Channel Allocation In A Radio Communication System	Hsu Liangchi [Us] Niva Ilkka [Us] (+2)
A25975VI-US02	Vringo Infrastructure, Inc.	Granted	12-Dec-03	US7050406	Apparatus, And Associated Method, For Generating Assignment Information Used Pursuant To Channel Allocation In A Radio Communication System	Hsu Liangchi [Us] Niva Ilkka [Us] (+2)
A26053VI-US01	Vringo Infrastructure, Inc.	Granted	6-Apr-00	US708S257	Method And System For Making Accessible Wirelessly A Network Phonebook And Journal Database	Karves Heidi Heinonen Eeva-Liisa (+6)
A26126VI-US01	Vringo Infrastructure, Inc.	Granted	14-Dec-00	US6965562	System And Method For Managing A Network To Sustain The Quality Of Voice Over Internet Protocol Communications	Tuomi Jukka [Fi]
A26505VI-DE01	Vringo Infrastructure, Inc.	Granted	28-Jul-00	DE1073295	Internal Roaming	
A26505VI-EP01	Vringo Infrastructure, Inc.	Granted	28-Jul-00	EP1073295	Internal Roaming	Numminem Raili [Fi] Rissanen Pekka [Fi] (+1)
A26505VI-FR01	Vringo Infrastructure, Inc.	Granted	28-Jul-00	FR1073295	Internal Roaming	
A26505VI-GB01	Vringo Infrastructure, Inc.	Granted	28-Jul-00	GB1073295	Internal Roaming	

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A26505VI-NL01	Vringo Infrastructure, Inc.	Granted	28-Jul-00	NL1073295	Internal Roaming	
A26505VI-US01	Vringo Infrastructure, Inc.	Granted	30-Mar-04	US7171209	System And Method For Allowing Subscribers To Make Internal Calls While Roaming To Other Networks	Numminem Raili [Fi] Rissanen Pekka [Fi] (+1)
A2651VI-DE01	Vringo Infrastructure, Inc.	Granted	14-Dec-93	DE69326903.0	A Method For Congestion Management In A Frame Relay Network And A Node In A Frame Relay Network	Peltola Tero [Fi] Matkaselka Jorma [Fi] (+5)
A2651VI-EP01	Vringo Infrastructure, Inc.	Granted	14-Dec-93	EP788698	A Method For Congestion Management In A Frame Relay Network And A Node In A Frame Relay Network	Peltola Tero [Fi] Matkaselka Jorma [Fi] (+5)
A27014VI-US01	Vringo Infrastructure, Inc.	Granted	30-Apr-01	US7333946	Ticketing With Printing Option	Sipponen Juha-Pekka [Fi]
A2702VI-US01	Vringo Infrastructure, Inc.	Granted	18-Jun-97	US6064648	Method For Notifying A Frame Relay Network Of Traffic Congestion In An ATM Network	Hellman Esko Flinck Hannu [Fi]
A2704VI-AU01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	AU696034	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-CA01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	CA2181333	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-DE01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	DE69528819.9	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-EP01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	EP740875	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-ES01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	ES2186710	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-FI01	Vringo Infrastructure, Inc.	Granted	17-Jan-94	FI94816	Method And System For Controlling Statistically Multiplexed Atm Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-FR01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	FR740875	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-GB01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	GB740875	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-IT01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	IT740875	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-JP01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	JP2927553	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A2704VI-NZ01	Vringo Infrastructure, Inc.	Granted	13-Jan-95	NZ278086	Controlling Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A2704VI-US01	Vringo Infrastructure, Inc.	Granted	16-Jul-96	US5841774	Method And System For Controlling Statistically Multiplexed ATM Bus	Flinck Hannu [Fi] Kaukanen Osmo [Fi] (+2)
A29648VI-FI01	Vringo Infrastructure, Inc.	Granted	16-Jun-00	FI111899	Method For Addressing Billing In A Message Service, Messaging Service System, Server And Terminal	Sivula Timo [Fi]
A29648VI-US01	Vringo Infrastructure, Inc.	Granted	15-Jun-01	US7590225	Method For Addressing Billing In A Message Service, Messaging Service System, Server And Terminal	Sivula Timo [Fi]
A30602VI-US01	Vringo Infrastructure, Inc.	Granted	28-Oct-02	US6930988	Method And System For Fast IP Connectivity In A Mobile Network	Koodli Rajeev [Us] Perkins Charles E [Us]
A30625VI-DE01	Vringo Infrastructure, Inc.	Granted	8-Oct-03	DE60331848.7	Mobile Router Cost Metric For Routing Protocol Updates In Mobile Router	Sahasrabudhe Meghana Malinen Jari T
A30625VI-EP01	Vringo Infrastructure, Inc.	Granted	8-Oct-03	EP1559242	System And Method For Mobile Router Cost Metric Updates For Routing Protocols	Sahasrabudhe Meghana Malinen Jari T
A30625VI-GB01	Vringo Infrastructure, Inc.	Granted	8-Oct-03	GB1559242	Mobile Router Cost Metric For Routing Protocol Updates In Mobile Router	Sahasrabudhe Meghana Malinen Jari T
A30625VI-KR01	Vringo Infrastructure, Inc.	Granted	8-Oct-03	KR10-0745206	System And Method For Mobile Router Cost Metric Updates For Routing Protocols	Sahasrabudhe Meghana Malinen Jari T
A30625VI-US01	Vringo Infrastructure, Inc.	Granted	7-Nov-02	US7035940	System And Method For Mobile Router Cost Metric Updates For Routing Protocols	Sahasrabudhe Meghana Malinen Jari T
A31502VI-US01	Vringo Infrastructure, Inc.	Granted	14-Jun-00	US6741555	Enhancement Of Explicit Congestion Notification (ECN) For Wireless Network Applications	Li Xiang [Cn] Wu Jing [Ca] (+2)
A33025VI-CN01	Vringo Infrastructure, Inc.	Granted	7-Jun-02	CN1270494C	Methods For Identifying User Device In Communication Systems, Communication Systems And Apparatus	Haverinen Henry [Fi] Malinen Jari T [Us]
A33025VI-DE01	Vringo Infrastructure, Inc.	Granted	28-May-02	DE60208990.5	A Method For Distinguishing Clients In A Communication System, A Communication System, And A Communication Device	Haverinen Henry [Fi] Malinen Jari T [Us]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A33025VI-EP01	Vringo Infrastructure, Inc.	Granted	28-May-02	EP1265420	A Method For Distinguishing Clients In A Communication System, A Communication System, And A Communication Device	Haverinen Henry [Fi] Malinen Jari T [Us]
A33025VI-ES01	Vringo Infrastructure, Inc.	Granted	28-May-02	ES2256432	A Method For Distinguishing Clients In A Communication System, A Communication System, And A Communication Device	Haverinen Henry [Fi] Malinen Jari T [Us]
A33025VI-FR01	Vringo Infrastructure, Inc.	Granted	28-May-02	FR1265420	Method Of Telling A Wireless Client From A Local Server	Haverinen Henry [Fi] Malinen Jari T [Us]
A33025VI-GB01	Vringo Infrastructure, Inc.	Granted	28-May-02	GB1265420	Method Of Telling A Wireless Client From A Local Server	Haverinen Henry [Fi] Malinen Jari T [Us]
A33025VI-IT01	Vringo Infrastructure, Inc.	Granted	28-May-02	IT1265420	Method Of Telling A Wireless Client From A Local Server	Haverinen Henry [Fi] Malinen Jari T [Us]
A3302SVI-US01	Vringo Infrastructure, Inc.	Granted	7-Jun-01	US7085808	Method For Distinguishing Clients In A Communication System, A Communication System; And A Communication Device	Haverinen Henry [Fi] Malinen Jari T [Us]
A36688VI-US01	Vringo Infrastructure, Inc.	Granted	19-Jun-03	US7103681	System For Rendering Multimedia Messages By Providing, In A Multimedia Message, Url For Downloadable Software To A Receiving Terminal	Coulombe Stephane [Us]
A36740VI-EP01	Vringo Infrastructure, Inc.	Pending	28-Oct-04	EP1680879	System, Apparatus, And Method For Communicating Capabilities Of A Mobile Device	Tervo Timo P [Fi] Lindroos Martti [Fi]
A36740VI-US01	Vringo Infrastructure, Inc.	Granted	3-Nov-03	US7478146	System, Apparatus, And Method For Communicating Capabilities Of A Mobile Device	Tervo Timo P [Fi] Lindroos Martti [Fi]
A37366VI-US01	Vringo Infrastructure, Inc.	Granted	30-Jan-04	US7627692	Multiplexing Of Compressed Control And User-Plane Messages	Pessi Pekka [Fi]
A39894VI-CN01	Vringo Infrastructure, Inc.	Pending	23-Jun-04	CN182354S	Method And Device For Enhanced Fast Handover Procedures	Alarcon Leopoldo [Es] Grech Sandro [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A39894VI-DE01	Vringo Infrastructure, Inc.	Granted	23-Jun-04	DE602004033083.3	A Mechanism For Enabling A Mobile Node To Engage In IP Signaling With Its Off-	Alarcon Leopoldo [Es] Grech Sandro [Fi]
A39894VI-EP01	Vringo Infrastructure, Inc.	Granted	23-Jun-04	EP1645157	Enhanced Fast Handover Procedures	Alarcon Leopoldo [Es] Grech Sandro [Fi]
A39894VI-GB01	Vringo Infrastructure, Inc.	Granted	23-Jun-04	GB1645157	A Mechanism For Enabling A Mobile Node To Engage In IP Signaling With Its Off-	Alarcon Leopoldo [Es] Grech Sandro [Fi]
A39894VI-PL01	Vringo Infrastructure, Inc.	Granted	23-Jun-04	PL1645157	A Mechanism For Enabling A Mobile Node To Engage In IP Signaling With Its Off-	Alarcon Leopoldo [Es] Grech Sandro [Fi]
A39894VI-RO01	Vringo Infrastructure, Inc.	Granted	23-Jun-04	RO1645157	A Mechanism For Enabling A Mobile Node To Engage In IP Signaling With Its Off-	Alarcon Leopoldo [Es] Grech Sandro [Fi]
A39894VI-SE01	Vringo Infrastructure, Inc.	Granted	23-Jun-04	SE1645157	A Mechanism For Enabling A Mobile Node To Engage In IP Signaling With Its Off-	Alarcon Leopoldo [Es] Grech Sandro [Fi]
A39894VI-US01	Vringo Infrastructure, Inc.	Granted	12-Feb-04	US7917152	Enhanced Fast Handover Procedures	Alarcon Leopoldo [Es] Grech Sandro [Fi]
A40217VI-AT01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	AT367027	Indicating Initial Floor State In SDP	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-AU01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	AU2004309946	Method And Device For Push-To-Talk Service	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-CH01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	CH1700419	Indicating Initial Floor State In SDP	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-CN01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	CN100495973	Method And Device For Push-To-Talk Service	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-CN02	Vringo Infrastructure, Inc.	Pending	16-Dec-04	CN101505455	Method And Device For Push-To-Talk Service	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-DE01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	DE602004007552.3	Method And Device For Push-To-Talk Service	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-EP01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	EP1700419	Method And Device For Push-To-Talk Service	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-ES01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	ES2289586	Method And Device For Push-To-Talk Service	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-FR01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	FR1700419	Indicating Initial Floor State In SDP	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A40217VI-GB01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	GB1700419	Indicating Initial Floor State In SDP	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-HU01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	HU1700419	Indicating Initial Floor State In SDP	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-IN01	Vringo Infrastructure, Inc.	Pending	28-Jun-06	IN3722/DELNP/2006	Method And Device For Push-To-Talk Service	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-IT01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	IT1700419	Indicating Initial Floor State In SDP	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-JP01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	JP4078381	Method And Device For Push-To-Talk Service	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-KR01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	KR10-0761805	Method And Device For Push-To-Talk Service	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-NL01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	NL1700419	Indicating Initial Floor State In SDP	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-RO01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	RO1700419	Indicating Initial Floor State In SDP	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-SE01	Vringo Infrastructure, Inc.	Granted	16-Dec-04	SE1700419	Indicating Initial Floor State In SDP	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40217VI-US01	Vringo Infrastructure, Inc.	Granted	26-Mar-04	US7920499	Activation Of Services In A Communication System	Isomäki Markus [Fi] Poikselkä Miikka [Fi] +1)
A40233VI-DE01	Vringo Infrastructure, Inc.	Granted	8-Jun-05	DE602005020445.8	Discovery Of V4-V6 Interworking Router	Patil Raj Basavaraj [Us] Devarapalli Vijay [Us]
A40233VI-EP01	Vringo Infrastructure, Inc.	Granted	8-Jun-05	EP1759519	Discovering A Network Element In A Communication System	Patil Raj Basavaraj [Us] Devarapalli Vijay [Us]
A40233VI-IN01	Vringo Infrastructure, Inc.	Allowance	15-Jan-07	IN388/DELNP/2007	Discovering A Network Element In A Communication System	Patil Raj Basavaraj [Us] Devarapalli Vijay [Us]
A40233VI-US01	Vringo Infrastructure, Inc.	Granted	20-Aug-04	US7710964	Discovering A Network Element In A Communication System	Patil Raj Basavaraj [Us] Devarapalli Vijay [Us]
A40284VI-BE01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	BE1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A40284VI-CZ01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	CZ1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-DE01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	DE602005041106.2	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-EA01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	EA010335	Method For Performing Packet Switched Handover In A Mobile Communication System	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-EP01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	EP1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-EP02	Vringo Infrastructure, Inc.	Pending	18-Feb-05	EP2574105	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-EP03	Vringo Infrastructure, Inc.	Pending	18-Feb-05	EP2574107	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-EP04	Vringo Infrastructure, Inc.	Pending	18-Feb-05	EP2574106	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-ES01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	ES2442892	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A40284VI-FR01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	FR1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-GB01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	GB1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-GR01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	GR1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-HK01	Vringo Infrastructure, Inc.	Pending		HK1183761	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-HK02	Vringo Infrastructure, Inc.	Pending		HK1183760	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-IT01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	IT1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-NL01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	NL1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-PL01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	PL1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A40284VI-RO01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	RO1719352	Packet Switched Handover In A Mobile Communication System, During Which A Mobile Node Receives Packets From A Source Node And A Target Node	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-RU01	Vringo Infrastructure, Inc.	Granted	18-Feb-05	EA10335	Method For Performing Packet Switched Handover In A Mobile Communication System	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-US01	Vringo Infrastructure, Inc.	Granted	5-Apr-04	US7333793	Method For Performing Packet Switched Handover In A Mobile Communication System	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-US02	Vringo Infrastructure, Inc.	Granted	14-Sep-07	US8804654	Method For Performing Packet Switched Handover In A Mobile Communication System	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-US03	Vringo Infrastructure, Inc.	Granted	24-Dec-14	US9402219	Method For Performing Packet Switched Handover In A Mobile Communication System	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-US04	Vringo Infrastructure, Inc.	Granted	14-Sep-12	US8942206	Method For Performing Packet Switched Handover In A Mobile Communication System	Niemela Tuomas, Kauranen Kari, P, (+1)
A40284VI-US05	Vringo Infrastructure, Inc.	Pending	12-May-16	US15/153300	Method For Performing Packet Switched Handover In A Mobile Communication System	Niemela Tuomas, Kauranen Kari, P, (+1)
A40312VI-AU01	Vringo Infrastructure, Inc.	Granted	14-Feb-05	AU2005212893	Method And Computer Program For Controlling Radio Resources, User Equipment, Radio Network Controller, And Base Station	Toskala Antti, Ranta-Aho Karri
A40312VI-CN01	Vringo Infrastructure, Inc.	Granted	14-Feb-05	CN200580010576.5	Method And Computer Program For Controlling Radio Resources, User Equipment, Radio Network Controller, And Base Station	Toskala Antti, Ranta-Aho Karri
A40312VI-IN01	Vringo Infrastructure, Inc.	Granted	14-Aug-06	IN261592	Method And Computer Program For Controlling Radio Resources, User Equipment, Radio Network Controller, And Base Station	Toskala Antti, Ranta-Aho Karri
A40312VI-JP01	Vringo Infrastructure, Inc.	Granted	14-Feb-05	JP4551902	Method And Computer Program For Controlling Radio Resources, User Equipment, Radio Network Controller, And Base Station	Toskala Antti, Ranta-Aho Karri

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A40322VI-US01	Vringo Infrastructure, Inc.	Granted	26-Apr-05	US8213901	Subscriber Identities	Hartikalnen Auvo [Fi] Tammi Kalle [Fi] (+4)
A40333VI-EP01	Vringo Infrastructure, Inc.	Pending	26-Aug-05	EP1797693	Controller	Yla-Outinen Petteri [Fi] Sillanpaa Jannes[Fi]
A40333VI-US01	Vringo Infrastructure, Inc.	Granted	24-Feb-05	US7583647	Controller	Yla-Outinen Petteri [Fi] Sillanpaa Jannes[Fi]
A40609VI-EP01	Vringo Infrastructure, Inc.	Pending	12-Aug-05	EP1779697	Communication System	Nakamata Masatoshi [Jp] Ranta-Aho Karri [Fi]
A40609VI-IN01	Vringo Infrastructure, Inc.	Pending	27-Feb-07	IN1569/DELNP/2007	Communication System	Nakamata Masatoshi [Jp] Ranta-Aho Karri [Fi]
A40609VI-JP01	Vringo Infrastructure, Inc.	Granted	12-Aug-05	JP4954073	Communication System	Nakamata Masatoshi [Jp] Ranta-Aho Karri [Fi]
A40609VI-KR01	Vringo Infrastructure, Inc.	Granted	12-Aug-05	KR927525	Communication System	Nakamata Masatoshi [Jp] Ranta-Aho Karri [Fi]
A40773VI-CN01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	CN101044771	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-DE01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	DE602004021646.1	Lack Of Channel Codings Implies A Handover	Pitkamaki Antti [Fi]
A40773VI-DK01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	DK1808029	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-EP01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	EP1808029	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-GB01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	GB1808029	Lack Of Channel Codings Implies A Handover	Pitkamaki Antti [Fi]
A40773VI-IN01	Vringo Infrastructure, Inc.	Granted	3-Aug-07	IN270760	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]

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A40773VI-JP01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	JP4612050	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-KR01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	KR912629	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-MY01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	MY-142706-A	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-PK01	Vringo Infrastructure, Inc.	Granted	24-Aug-05	PK141924	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-RO01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	RO1808029	Lack Of Channel Codings Implies A Handover	Pitkamaki Antti [Fi]
A40773VI-TW01	Vringo Infrastructure, Inc.	Granted	18-Oct-05	TW I393462	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-US01	Vringo Infrastructure, Inc.	Granted	3-Nov-04	US8812000	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-US02	Vringo Infrastructure, Inc.	Granted	13-Sep-12	US9301230	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-US03	Vringo Infrastructure, Inc.	Notice of Allowance	8-Jan-15	US20150126195	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-US04	Vringo Infrastructure, Inc.	Pending	26-Oct-15	US20160044563	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40773VI-US05	Vringo Infrastructure, Inc.	Pending	26-Oct-15	US20160044564	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	Pitkamaki Antti [Fi]
A40837VI-US01	Vringo Infrastructure, Inc.	Granted	20-May-05	US7283092	Enhanced Switched-Beam Antenna Arrangement	Minghai Feng [Fi] Yuan Zhu [Fi] (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A40985VI-DE01	Vringo Infrastructure, Inc.	Granted	8-Dec-05	DE1842386	Downlink Data Optimization For Packet Switched Handover	Kangas Arto Ta [Fi] Virtanen Tapani [Fi]
A40985VI-EP01	Vringo Infrastructure, Inc.	Granted	8-Dec-05	EP1842386	Downlink Data Optimization For Packet Switched Handover	Kangas Arto Ta [Fi] Virtanen Tapani [Fi]
A40985VI-FR01	Vringo Infrastructure, Inc.	Granted	8-Dec-05	FR1842386	Downlink Data Optimization For Packet Switched Handover	Kangas Arto Ta [Fi] Virtanen Tapani [Fi]
A40985VI-GB01	Vringo Infrastructure, Inc.	Granted	8-Dec-05	GB1842386	Downlink Data Optimization For Packet Switched Handover	Kangas Arto Ta [Fi] Virtanen Tapani [Fi]
A40985VI-HR01	Vringo Infrastructure, Inc.	Granted	14-Aug-07	HRP20070356	Downlink Data Optimization For Packet Switched Handover	Kangas Arto Ta [Fi] Virtanen Tapani [Fi]
A40985VI-NL01	Vringo Infrastructure, Inc.	Granted	8-Dec-05	NL1842386	Downlink Data Optimization For Packet Switched Handover	Kangas Arto Ta [Fi] Virtanen Tapani [Fi]
A40985VI-RU01	Vringo Infrastructure, Inc.	Granted	8-Dec-05	RU2405285	Optimisation Of Data Transfer Along Downlink In Process Of Service Transfer With Switching Of Packets	Kangas Arto Ta [Fi] Virtanen Tapani [Fi]
A41305VI-US01	Vringo Infrastructure, Inc.	Granted	12-Dec-05	US7817622	Unlicensed Mobile Access Optimization	Haumont Serge [Fi] Pena Sierra Luis [Es] (+3)
A41410VI-EP01	Vringo Infrastructure, Inc.	Pending	26-Oct-06	EP19643S7	Content Aggregation Service For Mobile Environment	Garcia-Martin Miguel A [Fi] Suotula Janne K [Fi] (+1)
A41410VI-US01	Vringo Infrastructure, Inc.	Granted	27-Mar-06	US8655984	Content Aggregation Service For Mobile Environment	Garcia-Martin Miguel A [Fi] Suotula Janne K [Fi] (+1)
A41410VI-US02	Vringo Infrastructure, Inc.	Granted	13-Sep-12	US8832230	Content Aggregation Service For Mobile Environment	Garcia-Martin Miguel A [Fi] Suotula Janne K [Fi] (+1)
A43841VI-US01	Vringo Infrastructure, Inc.	Pending	13-Sep-12	US20130003705	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Hwang Woonhee [Fi] Guyot Olivier [Tw] (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A43895VI-AU01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	AU2005268547	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-BR01	Vringo Infrastructure, Inc.	Pending	25-Jul-05	BR PI0S14400	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-CA01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	CA2575106	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-CN01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	CN101027924	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-DE01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	EP1779684	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-EP01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	EP1779684	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-FR01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	EP1779684	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-GB01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	EP1779684	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-HK01	Vringo Infrastructure, Inc.	Granted	28-Feb-08	HK1108311	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-ID01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	ID P0031233	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-IN01	Vringo Infrastructure, Inc.	Pending	3-Aug-07	IN856/DELNP/2007	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-JP01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	JP4750114	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-KR01	Vringo Infrastructure, Inc.	Granted	12-Feb-07	KR899132	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-MX01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	MX277338	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A43895VI-NL01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	EP1779684	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-RU01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	RU2407236	System And Method To Inform Sender On Adaptation Of Content And On Impossibility To Send Message	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-SG01	Vringo Infrastructure, Inc.	Granted	27-Jul-09	187522	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-US01	Vringo Infrastructure, Inc.	Granted	26-Jul-04	US8645472	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A43895VI-ZA01	Vringo Infrastructure, Inc.	Granted	25-Jul-05	ZA200701602	System And Method For Informing A Sender Of Content Adaptation And Message Failure Issues	Poikela Heikki [Fi] Pihlajamaki Sisko [Fi] (+3)
A44802VI-US01	Vringo Infrastructure, Inc.	Granted	14-Jun-04	US8719378	System And Method For Content Management	Lahtiranta Atte [Fi] Berg Jyrki [Fi]
A44802VI-US02	Vringo Infrastructure, Inc.	Pending	29-Oct-13	US20160148301	System And Method For Storing And Providing Content To Client Devices	Lahtiranta Atte [Fi] Berg Jyrki [Fi]
A44839VI-CN01	Vringo Infrastructure, Inc.	Granted	20-Dec-05	CN101112048	Apparatus, And Associated Method, For Facilitating Identification For Usable Network	Mikko Jaakkola [Fi] Henry Havenrinen [Fi]
A44839VI-DE01	Vringo Infrastructure, Inc.	Granted	20-Dec-05	EP1829292	Apparatus, And Associated Method, For Facilitating Network Scanning By A WLAN Terminal Operable In A Multiple-Network WLAN System	Mikko Jaakkola [Fi] Henry Havenrinen [Fi]
A44839VI-EP01	Vringo Infrastructure, Inc.	Granted	20-Dec-05	EP1829292	Apparatus, And Associated Method, For Facilitating Network Scanning By A WLAN Terminal Operable In A Multiple-Network WLAN System	Mikko Jaakkola [Fi] Henry Havenrinen [Fi]
A44839VI-FR01	Vringo Infrastructure, Inc.	Granted	20-Dec-05	EP1829292	Apparatus, And Associated Method, For Facilitating Network Scanning By A WLAN Terminal Operable In A Multiple-Network WLAN System	Mikko Jaakkola [Fi] Henry Havenrinen [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A44839VI-GB01	Vringo Infrastructure, Inc.	Granted	20-Dec-05	EP1829292	Apparatus, And Associated Method, For Facilitating Network Scanning By A WLAN Terminal Operable In A Multiple-Network WLAN System	Mikko Jaakkola [Fi] Henry Havenrinen [Fi]
A44839VI-KR01	Vringo Infrastructure, Inc.	Granted	20-Dec-05	KR10-0899331	Apparatus, And Associated Method, For Facilitating Network Scanning By A WLAN Terminal Operable In A Multiple-Network WLAN System	Mikko Jaakkola [Fi] Henry Havenrinen [Fi]
A44839VI-NL01	Vringo Infrastructure, Inc.	Granted	20-Dec-05	EP1829292	Apparatus, And Associated Method, For Facilitating Network Scanning By A WLAN Terminal Operable In A Multiple-Network WLAN System	Mikko Jaakkola [Fi] Henry Havenrinen [Fi]
A44839VI-US01	Vringo Infrastructure, Inc.	Granted	20-Dec-04	US7366511	Apparatus, And Associated Method, For Facilitating Network Scanning By A WLAN Terminal Operable In A Multiple-Network WLAN System	Mikko Jaakkola [Fi] Henry Havenrinen [Fi]
A45193VI-CN01	Vringo Infrastructure, Inc.	Granted	31-May-05	CN1985251	System For Geographically Distributed Virtual Routing	David Asnis James [Us]
A45193VI-EP01	Vringo Infrastructure, Inc.	Notice of Allowance	31-May-05	EP1769377	System For Geographically Distributed Virtual Routing	David Asnis James [Us]
A45193VI-JP01	Vringo Infrastructure, Inc.	Granted	31-May-05	JP4657294	System For Geographically Distributed Virtual Routing	David Asnis James [Us]
A45193VI-US01	Vringo Infrastructure, Inc.	Granted	4-Jun-04	US7730294	System For Geographically Distributed Virtual Routing	David Asnis James [Us]
A45236VI-CN01	Vringo Infrastructure, Inc.	Pending	27-Oct-05	CN101053201	Techniques For The Utilization Of Spare Bandwidth	Harri Muller Dominique Vermola [Fi]
A45236VI-DE01	Vringo Infrastructure, Inc.	To Be Nationalized	27-Oct-05	EP1807970	Techniques For The Utilization Of Spare Bandwidth	Harri Muller Dominique Vermola [Fi]
A45236VI-EP01	Vringo Infrastructure, Inc.	Granted	27-Oct-05	EP1807970	Techniques For The Utilization Of Spare Bandwidth	Harri Muller Dominique Vermola [Fi]
A45236VI-EP02	Vringo Infrastructure, Inc.	Pending	6-May-14	EP14167250.1	Techniques For The Utilization Of Spare Bandwidth	Harri Muller Dominique Vermola [Fi]
A45236VI-FR01	Vringo Infrastructure, Inc.	To Be Nationalized	27-Oct-05	EP1807970	Techniques For The Utilization Of Spare Bandwidth	Harri Muller Dominique Vermola [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A45236VI-US01	Vringo Infrastructure, Inc.	Granted	1-Nov-04	US7729385	Techniques For The Utilization Of Spare Bandwidth	Harri Muller Dominique Vermola [Fi]
A45410VI-CN01	Vringo Infrastructure, Inc.	Granted	26-Oct-05	CN100568807	System And Method For Providing Content To A Terminal And Directing The Rendering Of Such Content At The Terminal	Antti Forstadius [Fi]
A45410VI-EP01	Vringo Infrastructure, Inc.	Pending	26-Oct-05	EP1810445	System, Method And Computer Program Product For Providing Content To A Terminal And Directing The Rendering Of Such Content At The Terminal	Antti Forstadius [Fi]
A45410VI-IN01	Vringo Infrastructure, Inc.	Pending	15-May-07	IN3635/DELNP/2007	System, Method And Computer Program Product For Providing Content To A Terminal And Directing The Rendering Of Such Content At The Terminal	Antti Forstadius [Fi]
A45410VI-KR01	Vringo Infrastructure, Inc.	Granted	26-Aug-05	KR10-0895028	System, Method And Computer Program Product For Providing Content To A Terminal And Directing The Rendering Of Such Content At The Terminal	Antti Forstadius [Fi]
A45410VI-US01	Vringo Infrastructure, Inc.	Granted	1-Nov-04	US8150920	System, Method And Computer Program Product For Providing Content To A Terminal And Directing The Rendering Of Such Content At The Terminal	Antti Forstadius [Fi]
A4561VI-US01	Vringo Infrastructure, Inc.	Granted	29-Dec-00	US6961953	System And Method For Broadcasting Advertisements	Nieminen Ari [Se]
A4561VI-US02	Vringo Infrastructure, Inc.	Pending	24-Jun-05	US20050240981	System And Method For Broadcasting Advertisements	Nieminen Ari [Se]
A4561VI-US03	Vringo Infrastructure, Inc.	Granted	14-Sep-12	US9032448	System And Method For Broadcasting Advertisements	Nieminen Ari [Se]
A46645VI-DE01	Vringo Infrastructure, Inc.	Granted	12-Apr-06	1842386	Techniques For Radio Link Resource Management In Wireless Networks Carrying Packet Traffic	Vesterinen Seppo [Fi] Rinne Mikko J [Fi]
A46645VI-EP01	Vringo Infrastructure, Inc.	Granted	12-Apr-06	EP1869929	Techniques For Radio Link Resource Management In Wireless Networks Carrying Packet Traffic	Vesterinen Seppo [Fi] Rinne Mikko J [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A46645VI-ES01	Vringo Infrastructure, Inc.	Granted	12-Apr-06	EP1869929	Techniques For Radio Link Resource Management In Wireless Networks Carrying Packet Traffic	Vesterinen Seppo [Fi] Rinne Mikko J [Fi]
A46645VI-FR01	Vringo Infrastructure, Inc.	Granted	12-Apr-06	EP1869929	Techniques For Radio Link Resource Management In Wireless Networks Carrying Packet Traffic	Vesterinen Seppo [Fi] Rinne Mikko J [Fi]
A46645VI-GB01	Vringo Infrastructure, Inc.	Granted	12-Apr-06	EP1869929	Techniques For Radio Link Resource Management In Wireless Networks Carrying Packet Traffic	Vesterinen Seppo [Fi] Rinne Mikko J [Fi]
A46645VI-NL01	Vringo Infrastructure, Inc.	Granted	12-Apr-06	EP1869929	Techniques For Radio Link Resource Management In Wireless Networks Carrying Packet Traffic	Vesterinen Seppo [Fi] Rinne Mikko J [Fi]
A46645VI-PL01	Vringo Infrastructure, Inc.	Granted	12-Apr-06	EP1869929	Techniques For Radio Link Resource Management In Wireless Networks Carrying Packet Traffic	Vesterinen Seppo [Fi] Rinne Mikko J [Fi]
A46645VI-RO01	Vringo Infrastructure, Inc.	Granted	12-Apr-06	EP1869929	Techniques For Radio Link Resource Management In Wireless Networks Carrying Packet Traffic	Vesterinen Seppo [Fi] Rinne Mikko J [Fi]
A46645VI-US01	Vringo Infrastructure, Inc.	Granted	12-Apr-06	US7630338	Techniques For Radio Link Resource Management In Wireless Networks Carrying Packet Traffic	Vesterinen Seppo [Fi] Rinne Mikko J [Fi]
A46841VI-AP01	Vringo Infrastructure, Inc.	Granted	29-Sep-06	AP2390	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A46841VI-CN01	Vringo Infrastructure, Inc.	Pending	29-Sep-06	CN101278589	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A46841VI-EP01	Vringo Infrastructure, Inc.	Pending	29-Sep-06	EP1938648	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A46841VI-IN01	Vringo Infrastructure, Inc.	Pending	4-Mar-08	IN1917/DELNP/2008	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A46841VI-JP01	Vringo Infrastructure, Inc.	Granted	29-Sep-06	JP5717820	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A46841VI-KR01	Vringo Infrastructure, Inc.	Granted	29-Sep-06	KR10-0992075	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A46841VI-PK01	Vringo Infrastructure, Inc.	Pending		PK1286/2006	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A46841VI-TW01	Vringo Infrastructure, Inc.	Granted	29-Sep-06	TW I496436	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A46841VI-US01	Vringo Infrastructure, Inc.	Granted	28-Sep-06	US9301228	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A46841VI-US02	Vringo Infrastructure, Inc.	Pending	13-Sep-12	US20130003705	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A46841VI-US03	Vringo Infrastructure, Inc.	Pending	8-Feb-16	US20160157141	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	Guyot Olivier [Tw] Hwang Woonhee [Fi] (+1)
A51553VI-US01	Vringo Infrastructure, Inc.	Pending	30-Mar-06	US20070238525	Method, Apparatus, System And Computer Program Product For Event Triggered Games	Suomela Riku [Fi]
A51553VI-US02	Vringo Infrastructure, Inc.	Pending	14-Sep-12	US20130244773	Method, Apparatus, System And Computer Program Product For Event Triggered Games	Suomela Riku [Fi]
A51553VI-US03	Vringo Infrastructure, Inc.	Pending	10-Feb-16	US15/040820	Method, Apparatus, System And Computer Program Product For Event Triggered Games	Suomela Riku [Fi]
A52014VI-EP01	Vringo Infrastructure, Inc.	Pending	5-Apr-07	EP2011311	Utilizing Presence Service For Service Discovery In Mobile Broadcast	Jyske Eero [Us] K671Paila Toni [Us]
A52069VI-US01	Vringo Infrastructure, Inc.	Granted	13-Dec-06	US7869837	System And Method For Implementing Mobile IP Node Lossless Transition From An Idle State To An Awake State	Sairanen Jussipekka [Us]
A52716VI-US01	Vringo Infrastructure, Inc.	Granted	23-Mar-07	US8112075	HARQ-Aware CQI Reporting	Pedersen Klaus I [Dk]
A53394VI-EP01	Vringo Infrastructure, Inc.	Pending	22-Jun-07	EP1873998	Identifiers In A Communication System	Forsberg Dan [Fi] Niemi Valtteri [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A53394VI-US01	Vringo Infrastructure, Inc.	Pending	27-Jun-07	US20080002829	Identifiers In A Communication System	Forsberg Dan [Fi] Niemi Valtteri [Fi]
A53394VI-US02	Vringo Infrastructure, Inc.	Granted	13-Sep-12	US9344881	Identifiers In A Communication System	Forsberg Dan [Fi] Niemi Valtteri [Fi]
A54228VI-US01	Vringo Infrastructure, Inc.	Notice of Allowance	22-Dec-06	US20080153510	Mobile Terminal, System, Computer Program Product, And Method For Updating A Work Plan	Sulander Saku A [Fi] Haikonen Mikko [Fi] (+4)
A54228VI-US02	Vringo Infrastructure, Inc.	Pending	14-Sep-12	US20130024228	Mobile Terminal, System, Computer Program Product, And Method For Updating A Work Plan	Sulander Saku A [Fi] Haikonen Mikko [Fi] (+4)
A56536VI-CN01	Vringo Infrastructure, Inc.	Pending	31-Mar-08	CN101653023	Radio Telecommunications Network Management	Heikki Pulkkinen Miikka Huomo (+2)
A56536VI-EP01	Vringo Infrastructure, Inc.	Pending	31-Mar-08	EP2132915	Radio Telecommunications Network Management	Heikki Pulkkinen Miikka Huomo (+2)
A56536VI-IN01	Vringo Infrastructure, Inc.	Pending	6-Oct-09	IN5874/CHENP/2009	Radio Telecommunications Network Management	Heikki Pulkkinen Miikka Huomo (+2)
A56536VI-US01	Vringo Infrastructure, Inc.	Granted	30-Mar-07	US7907969	Radio Telecommunications Network Management	Heikki Pulkkinen Miikka Huomo (+2)
A56542VI-US02	Vringo Infrastructure, Inc.	Pending	13-Apr-07	US20080256627	Copyrights With Post-Payments For P2P File Sharing	Kokkinen Heikki [Fi]
A6390VI-US01	Vringo Infrastructure, Inc.	Granted	30-Apr-99	US6577721	Conference Call	Vainio Aimo [Us] Pussinen Arto [Fi] (+2)
A6815VI-US01	Vringo Infrastructure, Inc.	Granted	5-May-97	US6029065	Remote Feature Code Programming For Mobile Stations	Shah Bharat [Us]
A7158VI-CN01	Vringo Infrastructure, Inc.	Granted	24-Nov-95	CN1084985	Method For Indicating A Multi-Slot Channel In A TDMA Radio-System	Rajala Jussi [Fi]
A7158VI-ES01	Vringo Infrastructure, Inc.	Granted	15-Nov-95	ES2113810	Signalling Channel And Channel Type For Use By Mobile	
A7158VI-GB01	Vringo Infrastructure, Inc.	Granted	3-Nov-95	GB2295525	Signalling Channel And Channel Type For Use By Mobile	Rajala Jussi [Fi]
A7158VI-NL01	Vringo Infrastructure, Inc.	Granted	24-Nov-95	NL1001744	Signalling Channel And Channel Type For Use By Mobile	Rajala Jussi [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A7158VI-US01	Vringo Infrastructure, Inc.	Granted	4-Aug-97	US6295286	Method For Indicating A Multi-Slot Channel In A TDMA Radio System	Rajala Jussi [Fi]
A7272VI-AU01	Vringo Infrastructure, Inc.	Granted	31-Oct-96	AU716158	Data Transmission Method	Pirhonen Riku [Fi] Ranta Pekka [Fi] (+1)
A7272VI-EP01	Vringo Infrastructure, Inc.	Granted	31-Oct-96	EP0858698	Data Transmission Method	Pirhonen Riku [Fi] Ranta Pekka [Fi] (+1)
A7272VI-US01	Vringo Infrastructure, Inc.	Granted	9-Sep-05	US7420948	Data Transmission Method	Pirhonen Riku [Fi] Ranta Pekka [Fi] (+1)
A7272VI-US02	Vringo Infrastructure, Inc.	Granted	18-Aug-98	US6970441	Data Transmission Method	Pirhonen Riku [Fi] Ranta Pekka [Fi] (+1)
A7300VI-US01	Vringo Infrastructure, Inc.	Granted	8-Oct-98	US6173187	Method Of Setting Load Goal, And Radio System	Salonaho Oscar [Fi] Haekkinen Hannu [Fi]
A7485VI-EP01	Vringo Infrastructure, Inc.	Granted	3-Dec-97	EP0890225	Method Of Generating A Carrier Wave Of Common Channels And Dedicated Channels, And A Radio System	Raitola Mika [Fi]
A7485VI-US01	Vringo Infrastructure, Inc.	Granted	3-Aug-98	US6366602	Method Of Generating A Carrier Wave Of Common Channels, And A Radio System	Raitola Mika [Fi]
A7776VI-US01	Vringo Infrastructure, Inc.	Granted	13-Dec-99	US6349099	Connection Identification In Transmission System Of Wireless Telecommunication Network Over Atm Protocol Stack	Larikka Tapani [Fi] Rajala Jussi [Fi] (+1)
A7794VI-EP01	Vringo Infrastructure, Inc.	Granted	30-Dec-97	EP1044575	Broadband Cellular Network Device	Ruutu Jussi [Fi] Martikainen Mikko [Fi]
A7794VI-US01	Vringo Infrastructure, Inc.	Granted	29-Jun-00	US6859447	Broadband Cellular Network Device	Ruutu Jussi [Fi] Martikainen Mikko [Fi]
A7882VI-AT01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	AT305709	Method Of Measuring Time Difference, And Radio System	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)
A7882VI-AU01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	AU755890	Method Of Measuring Time Difference, And Radio System	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)
A7882VI-CH01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	CH1068762	Method Of Measuring Time Difference, And Radio System	Marko Alanen, Gudni Gunnarsson, Olli Hyvärinen, Timo M. Rantalainen, Ville Ruutu
A7882VI-CN01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	CN99804679.5	Method Of Measuring Time Difference, And Radio System	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A7882VI-DE01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	DE69927492.3	Method Of Measuring Time Difference, And Radio System	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)
A7882VI-EP01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	EP1068762	Method Of Measuring Time Difference, And Radio System	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)
A7882VI-FR01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	FR1068762	Method Of Measuring Time Difference, And Radio System	
A7882VI-GB01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	GB1068762	Method Of Measuring Time Difference, And Radio System	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)
A7882VI-JP01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	JP4059626	Method Of Measuring Time Difference, And Radio System	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)
A7882VI-NL01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	NL1068762	Tracking of Real Time and Observed Time Difference Values In Time	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)
A7882VI-NO01	Vringo Infrastructure, Inc.	Granted	30-Mar-99	NO325596	Method Of Measuring Time Difference, And Radio System	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)
A7882VI-US01	Vringo Infrastructure, Inc.	Granted	29-Sep-00	US6456237	Method Of Measuring Time Difference, And Radio System	Ruutu Ville [Fi] Rantalainen Timo M [Fi] (+3)
A7959VI-DE01	Vringo Infrastructure, Inc.	Granted	9-Dec-99	DE69935006.9	System And Method For Prioritizing Multicast Packets In A Network Service Class	Kilkki Matti Kalevi [Fi] Ruutu Jussi Pekka [Fi]
A7959VI-EP01	Vringo Infrastructure, Inc.	Granted	9-Dec-99	EP1135962	System And Method For Prioritizing Multicast Packets In A Network Service Class	Kilkki Matti Kalevi [Fi] Ruutu Jussi Pekka [Fi]
A7959VI-FR01	Vringo Infrastructure, Inc.	Granted	9-Dec-99	FR1135962	System And Method For Prioritizing Multicast Packets In A Network Service Class Utilizing a Priority-Based Quality of Service	Kilkki Matti Kalevi [Fi] Ruutu Jussi Pekka [Fi]
A7959VI-GB01	Vringo Infrastructure, Inc.	Granted	20-Jul-99	GB2370183	NBR Pool For A Network	Kilkki Kalevi [Fi]
A7959VI-GB01	Vringo Infrastructure, Inc.	Granted	9-Dec-99	GB1135962	System And Method For Prioritizing Multicast Packets In A Network Service Class Utilizing a Priority-Based Quality of Service	Kilkki Matti Kalevi [Fi] Ruutu Jussi Pekka [Fi]
A7959VI-IT01	Vringo Infrastructure, Inc.	Granted	9-Dec-99	IT113S962	System And Method For Prioritizing Multicast Packets In A Network Service Class Utilizing a Priority-Based Quality of Service	Kilkki Matti Kalevi [Fi] Ruutu Jussi Pekka [Fi]

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File Number	Assignor	Status	Filing Date	Number	Title	Inventors
A7959VI-SE01	Vringo Infrastructure, Inc.	Granted	9-Dec-99	SE1135962	System And Method For Prioritizing Multicast Packets In A Network Service Class Utilizing a Priority-Based Quality of Service	Kilkki Matti Kalevi [Fi] Ruutu Jussi Pekka [Fi]
A7959VI-US01	Vringo Infrastructure, Inc.	Granted	22-Jul-98	US6249816	NBR Pool For SIMA Network	Kilkki Kalevi [Fi]
A7959VI-US01	Vringo Infrastructure, Inc.	Granted	10-Dec-98	US6S49938	System And Method For Prioritizing Multicast Packets In A Network Service Class Utilizing a Priority-Based Quality of Service	Kilkki Matti Kalevi [Fi] Ruutu Jussi Pekka [Fi]

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LAPSED PATENTS

File Number	Title	Application Number	Grant Number	Territory
A15038VI-JP01	Relocation In A Communication System	2001-524385	3602501	Japan
A15081VI-AU01	Synchronization Method And Apparatus	199963372	773182	Australia
A15081VI-CA01	Synchronization Method And Apparatus	2385914	2385914	Canada
A15081VI-CN01	Synchronization Method And Apparatus	99816942.0	1172462C	China
A18965VI-BR01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	0114863-0		Brazil
A18965VI-CA01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	2426082	2426082	Canada
A18965VI-CN01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	01817866.9	1227943	China
A18965VI-SG01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	200301203.6	95367	Singapore
A18965VI-ZA01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	2003/3108	200303108	South Africa
A40773VI-JP01	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	2007-539641	4612050	Japan
A14028VI-CA01	Method Of Exiting Collect Information Phase In Intelligent Network	2276374	2276374	Canada
A14028VI-CN01	Method Of Exiting Collect Information Phase In Intelligent Network	98802213.3	1121795C	China
A46841VI-KR01	Method, Device, System And Software Product For Providing System Information To Enable Packet Switched Handover	10-2008-7007485	10-0992075	South Korea
A18965VI-AT01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	01980558.9	313233	Austria
A18965VI-BE01	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	01980558.9	1330933	Belgium
A15081VI-BE01	Synchronization of Protocol Remapping	99950691.8	1221212	Belgium
A41410VI-EP01	Content Aggregation Service For Mobile Environment	06809713.8		Europe
A14028VI-FI01	Method Of Exiting Collect Information Phase In Intelligent Network	974100	105981	Finland
A18965VI-FI01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	20002337	111044	Finland
A14028VI-FR01	Method Of Exiting Collect Information Phase In Intelligent Network	98950132.5	0956714	France
A11162VI-FR01	Routing Of Packets In A Telecommunications System	97910478.3	0941592	France
A15081VI-FR01	Synchronization of Protocol Remapping	99950691.8	1221212	France

APPENDIX 1 - Assigned Patents, including Exceptions

File Number	Title	Application Number	Grant Number	Territory
A45236VI-FR01	Techniques For The Utilization Of Spare Bandwidth	05809969.8	1807970	France
A18965VI-FR01	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	01980558.9	1330933	France
A18965VI-DE01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	01980558.9	60115947.0	Germany
A11162VI-DE01	Routing Of Packets In A Telecommunications System	97910478.3	69733613.1	Germany
A14028VI-DE01	Method Of Exiting Collect Information Phase In Intelligent Network	98950132.5	69828151.9	Germany
A30625VI-DE01	Mobile Router Cost Metric For Routing Protocol Updates In Mobile Router	03751094.8	60331848.7	Germany
A45236VI-DE01	Techniques For The Utilization Of Spare Bandwidth	05809969.8	1807970	Germany
A15081VI-DE01	Synchronization Method And Apparatus	99950691.8	69923611.8	Germany
A15081VI-IT01	Synchronization of Protocol Remapping	99950691.8	1221212	Italy
A18965VI-IT01	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	01980558.9	1330933	Italy
A14028VI-IT01	Method Of Exiting Collect Information Phase In Intelligent Network	98950132.5	0956714	Italy
A11162VI-IT01	Routing Of Packets In A Telecommunications System	97910478.3	0941592	Italy
A15081VI-NL01	Synchronization of Protocol Remapping	99950691.8	1221212	Netherlands
A45236VI-NL01	Techniques For The Utilization Of Spare Bandwidth	05809969.8	1807970	Netherlands
A18965VI-NL01	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	01980558.9	1330933	Netherlands
A18965VI-ES01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	01980558.9	1330933	Spain
A14028VI-ES01	Method Of Exiting Collect Information Phase In Intelligent Network	98950132.5	0956714	Spain
A15081VI-ES01	Synchronization Method And Apparatus	99950691.8	1221212	Spain
A18965VI-SE01	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	01980558.9	1330933	Sweden
A15081VI-SE01	Synchronization of Protocol Remapping	99950691.8	1221212	Sweden
A18965VI-CH01	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	01980558.9	1330933	Switzerland
A15081VI-CH01	Verfahren Und Vorrichtung Zur Synchronisierung In Einem Kommunikationsystem	99950691.8	1221212	Switzerland
A15081VI-GB01	Synchronization of Protocol Remapping	99950691.8	1221212	UK
A30625VI-GB01	Mobile Router Cost Metric For Routing Protocol Updates In Mobile Router	03751094.8	1559242	UK
A45236VI-GB01	Techniques For The Utilization Of Spare Bandwidth	05809969.8	1807970	UK
A18965VI-GB01	Association of TLLI And SCCP Connection To Enable Fast Deployment Of LCS In	01980558.9	1330933	UK
A14028VI-GB01	Method Of Exiting Collect Information Phase In Intelligent Network	98950132.5	0956714	UK
A11162VI-GB01	Routing Of Packets In A Telecommunications System	97910478.3	0941592	UK

APPENDIX 1 - Assigned Patents, Including Exceptions

File Number	Title	Application Number	Grant Number	Territory
A40773VI-CN01	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	200480044232.1	101044771	China
A40773VI-PK01	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	783/2005	141924	Pakistan
A40773VI-RO01	Lack Of Channel Codings Implies A Handover	04798766.4	1808029	Romania
A40609VI-KR01	Communication System	10-2007-7006069	10-0927525	South Korea
A15038VI-KR01	Relocation In A Communication System	1020027003438	531144	South Korea
A40773VI-DK01	Inter-System Hand-Over Of A Mobile Terminal Operable With A First And A Second Radio Access Network	04798766.4	1808029	Denmark
A17007VI-FR01	Method For Sending A Secure Message In A Telecommunications System	97308890.9	0841770	France
A40773VI-DE01	Lack Of Channel Codings Implies A Handover	04798766.4	602004021646.1	Germany
A17007VI-DE01	Method For Sending A Secure Message In A Telecommunications System	97308890.9	69727641.4	Germany
A40773VI-GB01	Lack Of Channel Codings Implies A Handover	04798766.4	1808029	UK
A17007VI-GB01	Method For Sending A Secure Message In A Telecommunications System	97308890.9	0841770	UK
A25862VI-US01	Method And Apparatus For Scheduling And Modulation And Coding Selection For Supporting Quality Of Service In Transmissions On Forward Shared Radio Channels	10/025609	6901046	US
A18965VI-JP01	Positioning A Subscriber Terminal In A Packet-Switched Mobile Telephony Network Using Both Packet-Switched And Circuit-Switched Messages	2007-230678	4638470	Japan

APPENDIX 1 - Assigned Patents, including Exceptions

LAPSED PATENT APPLICATIONS

File Number	Title	Application Number	Grant Number	Territory
A51553VI-US01	Method, Apparatus, System And Computer Program Product For Event Triggered Games	11/393588	n/a	US
A51553VI-US02	Method, Apparatus, System And Computer Program Product For Event Triggered Games	13/616716	n/a	US
A51553VI-US03	Method, Apparatus, System And Computer Program Product For Event Triggered Games	15/040820	n/a	US
A54228VI-US02	Mobile Terminal, System, Computer Program Product, And Method For Updating A Work Plan	13/618563	n/a	US
A53394VI-US01	Identifiers In A Communication System	11/769621	n/a	US
A4561VI-US02	System And Method For Broadcasting Advertisements	11/165,994	n/a	US