

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2764782

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY AGREEMENT

**CONVEYING PARTY DATA**

Name	Execution Date
OPTIS WIRELESS TECHNOLOGY, LLC	01/16/2014

**RECEIVING PARTY DATA**

<b>Name:</b>	WILMINGTON TRUST, NATIONAL ASSOCIATION
<b>Street Address:</b>	50 SOUTH SIXTH STREET, SUITE 1290
<b>City:</b>	MINNEAPOLIS
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55402

**PROPERTY NUMBERS Total: 639**

Property Type	Number
Application Number:	08331711
Application Number:	08473583
Application Number:	08481865
Application Number:	08622403
Application Number:	09357158
Application Number:	08919313
Application Number:	08720823
Application Number:	08766368
Application Number:	08938510
Application Number:	08980741
Application Number:	09000929
Application Number:	09079438
Application Number:	09098049
Application Number:	09223904
Application Number:	09160624
Application Number:	09577876
Application Number:	10866832
Application Number:	09546720
Application Number:	10841023
Application Number:	09725705
Application Number:	09505792

PATENT

<b>Property Type</b>	<b>Number</b>
Application Number:	09504216
Application Number:	09639222
Application Number:	09602385
Application Number:	09660050
Application Number:	09475506
Application Number:	09465442
Application Number:	09464094
Application Number:	09481948
Application Number:	09548321
Application Number:	09474056
Application Number:	09583998
Application Number:	09320659
Application Number:	09543898
Application Number:	10500538
Application Number:	09959468
Application Number:	09732864
Application Number:	09316409
Application Number:	09658272
Application Number:	09636578
Application Number:	10070696
Application Number:	09442847
Application Number:	09472410
Application Number:	09367530
Application Number:	09407572
Application Number:	09746450
Application Number:	09692709
Application Number:	09651926
Application Number:	09696994
Application Number:	09725632
Application Number:	09747052
Application Number:	09704927
Application Number:	09797346
Application Number:	09852332
Application Number:	09815475
Application Number:	09918020
Application Number:	09573157
Application Number:	09580119
Application Number:	10400666
Application Number:	09472363

**PATENT**

**REEL. 032437 FRAME. 0639**

Property Type	Number
Application Number:	09827195
Application Number:	09722884
Application Number:	09672803
Application Number:	11099488
Application Number:	11099460
Application Number:	09617678
Application Number:	09965961
Application Number:	09686502
Application Number:	09580632
Application Number:	10344918
Application Number:	09996513
Application Number:	09985844
Application Number:	09943391
Application Number:	10499071
Application Number:	10508466
Application Number:	10021378
Application Number:	11100378
Application Number:	10097314
Application Number:	10267223
Application Number:	10272095
Application Number:	10529621
Application Number:	09743642
Application Number:	10684598
Application Number:	10595000
Application Number:	10685218
Application Number:	10572372
Application Number:	10746330
Application Number:	11793913
Application Number:	10769010
Application Number:	10746434
Application Number:	10920928
Application Number:	10795101
Application Number:	10583962
Application Number:	10780633
Application Number:	10596852
Application Number:	11720501
Application Number:	10926742
Application Number:	11628460
Application Number:	10839926

PATENT

<b>Property Type</b>	<b>Number</b>
Application Number:	10998340
Application Number:	10961546
Application Number:	11007687
Application Number:	11573500
Application Number:	12279761
Application Number:	11087269
Application Number:	11575784
Application Number:	12063997
Application Number:	11912238
Application Number:	12097242
Application Number:	11915235
Application Number:	11917084
Application Number:	11995879
Application Number:	11425410
Application Number:	12293664
Application Number:	11617788
Application Number:	12514582
Application Number:	11563732
Application Number:	12442798
Application Number:	11609399
Application Number:	12305301
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Application Number:	11751109
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Application Number:	13002370
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Application Number:	12996475
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Application Number:	12936439
Application Number:	13148308
Application Number:	12997583
Application Number:	13140223
Application Number:	13140014

**PATENT**

Property Type	Number
Application Number:	13148085
Application Number:	13202847
Application Number:	13321593
Application Number:	13517431
Application Number:	13806122
Application Number:	12961077
Application Number:	12980509
Application Number:	12948202
Application Number:	13979735
Application Number:	12916947
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Application Number:	09354717
Application Number:	12376401
Application Number:	13512357
Application Number:	12869317
Application Number:	13634491
Application Number:	10256202
Application Number:	11054960
Application Number:	12764512
Application Number:	13916324
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Application Number:	09317961
Application Number:	10614291
Application Number:	09520015
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Application Number:	10486896
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Application Number:	13839910
Application Number:	11976549
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Application Number:	11976758
Application Number:	12240379
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PATENT

<b>Property Type</b>	<b>Number</b>
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Application Number:	12842398
Application Number:	13010146
Application Number:	13010150
Application Number:	13433577
Application Number:	13770199
Application Number:	10540401
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Application Number:	13733744
Application Number:	10594496
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Application Number:	13154163
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Application Number:	13158014
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Application Number:	12840024
Application Number:	13171121
Application Number:	13604531
Application Number:	14067737
Application Number:	12293530
Application Number:	13333805
Application Number:	13781142

**PATENT**

<b>Property Type</b>	<b>Number</b>
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Application Number:	13744244
Application Number:	12532352
Application Number:	12983770
Application Number:	13271942
Application Number:	13470106
Application Number:	12593904
Application Number:	12845361
Application Number:	13165538
Application Number:	13280190
Application Number:	13301643
Application Number:	13648976
Application Number:	12600835
Application Number:	12850988
Application Number:	13349435
Application Number:	13571207
Application Number:	13860398
Application Number:	12740509
Application Number:	13525103
Application Number:	13525109
Application Number:	13732915
Application Number:	12865674
Application Number:	13722742
Application Number:	10541447
Application Number:	12559468
Application Number:	13292874
Application Number:	13737366
Application Number:	09856872
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Application Number:	10450566
Application Number:	10531417
Application Number:	10542772
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Application Number:	10594566
Application Number:	10587166
Application Number:	10573688
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Application Number:	10591709

**PATENT**

<b>Property Type</b>	<b>Number</b>
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Application Number:	12551126
Application Number:	11630142
Application Number:	12941804
Application Number:	11631503
Application Number:	12831926
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Application Number:	10252394
Application Number:	10748242
Application Number:	11022811
Application Number:	09674293
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Property Type	Number
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Application Number:	09573325
Application Number:	09391092
Application Number:	09384190
Application Number:	09545069
Application Number:	09566984
Application Number:	09701337
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Application Number:	10380506
Application Number:	10451658
Application Number:	10476012
Application Number:	10477142
Application Number:	10423933
Application Number:	10530368
Application Number:	10563248
Application Number:	10563559
Application Number:	11578356
Application Number:	10589078
PCT Number:	SE2011051143
PCT Number:	SE2011050885

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Fax Number:

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Email: smckinney@paulweiss.com, dewilliams@paulweiss.com

Correspondent Name: SCOTT A. MCKINNEY

**PATENT**

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**Address Line 4:** NEW YORK, NEW YORK 10019-6064

**ATTORNEY DOCKET NUMBER:** 18693-028

**NAME OF SUBMITTER:** SCOTT MCKINNEY

**SIGNATURE:** /Scott McKinney/

**DATE SIGNED:** 03/12/2014

**Total Attachments: 39**

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<b>Property Type</b>	<b>Number</b>
Application Number:	09677131
Application Number:	09630624
Application Number:	10337198
Application Number:	10551080
Application Number:	11383830
Application Number:	13959075
Application Number:	11914796
Application Number:	13608082
Application Number:	12513744
Application Number:	13561781
Application Number:	11936242
Application Number:	11962168
Application Number:	13717753
Application Number:	12665191
Application Number:	12338469
Application Number:	12865867
Application Number:	12990502
Application Number:	08986512
Application Number:	08987765
Application Number:	08987476
Application Number:	08987616
Application Number:	09014504
Application Number:	09271978
Application Number:	09074206
Application Number:	09046149
Application Number:	09071317
Application Number:	09468903
Application Number:	09009055
Application Number:	09086889
Application Number:	09330003
Application Number:	09467623
Application Number:	09674919
Application Number:	09199830
Application Number:	09191021
Application Number:	09218858
Application Number:	09189814
Application Number:	09123627
Application Number:	09113316
Application Number:	09174207

**PATENT**

<b>Property Type</b>	<b>Number</b>
Application Number:	09139825
Application Number:	09166413
Application Number:	09162323
Application Number:	09162176
Application Number:	09173809
Application Number:	09169863
Application Number:	09133358
Application Number:	09168030
Application Number:	09162589
Application Number:	09237587
Application Number:	09275060
Application Number:	09248546
Application Number:	09224529
Application Number:	09363437
Application Number:	09266317
Application Number:	09240156
Application Number:	09220965
Application Number:	09160628
Application Number:	09252008
Application Number:	09277498
Application Number:	09253461
Application Number:	09325326
Application Number:	09272926
Application Number:	09264344
Application Number:	09277675
Application Number:	09481173
Application Number:	09338818
Application Number:	09351805
Application Number:	09434262
Application Number:	09396720
Application Number:	09425637
Application Number:	09432702
Application Number:	09361940
Application Number:	09334188
Application Number:	09452650
Application Number:	09461556
Application Number:	09565329
Application Number:	09221631
Application Number:	09531916

**PATENT**

<b>Property Type</b>	<b>Number</b>
Application Number:	09442820
Application Number:	09422839
Application Number:	09977573
Application Number:	09160369
Application Number:	09173716
Application Number:	09588461
Application Number:	09187935
Application Number:	09465508
Application Number:	09223633
Application Number:	09201534
Application Number:	09223787
Application Number:	09266792
Application Number:	09189804
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Application Number:	09686518
Application Number:	09645390
Application Number:	09651716
Application Number:	09773889
Application Number:	09767110
Application Number:	09829689
Application Number:	09859753

**PATENT**

<b>Property Type</b>	<b>Number</b>
Application Number:	09860056
Application Number:	09999212
Application Number:	10028163
Application Number:	09578597
Application Number:	09610135
Application Number:	09303771
Application Number:	09680287
Application Number:	09764506
Application Number:	09493265
Application Number:	09745683
Application Number:	09789173
Application Number:	09664921
Application Number:	09754993
Application Number:	09795231
Application Number:	09614836
Application Number:	09625361
Application Number:	09805408
Application Number:	09594816
Application Number:	09864781
Application Number:	10468260
Application Number:	09666897
Application Number:	10432549
Application Number:	10036632
Application Number:	09908631
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Application Number:	09433936
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Application Number:	10793072
Application Number:	10664618
Application Number:	10672531
Application Number:	11846778
Application Number:	11301100
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Application Number:	10735334

**PATENT**

<b>Property Type</b>	<b>Number</b>
Application Number:	10582688
Application Number:	11018773
Application Number:	11016643
Application Number:	11142760
Application Number:	11576848
Application Number:	11302045
Application Number:	10929452
Application Number:	11073434
Application Number:	11996340
Application Number:	11287445
Application Number:	11294653
Application Number:	11302243
Application Number:	11915196
Application Number:	11289184
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Application Number:	11988835
Application Number:	12412072
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Application Number:	12514900
Application Number:	11611128
Application Number:	11612551
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Application Number:	11625643
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Application Number:	12671128
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Application Number:	12676499
Application Number:	12810397
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**PATENT**

Property Type	Number
Application Number:	12993570
Application Number:	12811590
Application Number:	12999396
Application Number:	12934207
Application Number:	12189525
Application Number:	12989994
Application Number:	13768019
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PATENT

REEL. 032437 FRAME. 0053



<b>Property Type</b>	<b>Number</b>
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Application Number:	09018536
Application Number:	08825177
Application Number:	08806919
Application Number:	08822243
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Application Number:	09079853
Application Number:	08852879
Application Number:	08845937
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Application Number:	08996089
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Application Number:	09327735
Application Number:	08997998
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**PATENT**

<b>Property Type</b>	<b>Number</b>
Application Number:	09028268
Application Number:	09049384
Application Number:	08982202
Application Number:	09134202
Application Number:	09002563
Application Number:	08994042
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Application Number:	09457371
Application Number:	09490116
Application Number:	09499348
Application Number:	09969371
Application Number:	09391269
Application Number:	09396145
Application Number:	09517966

**PATENT**

SHORT-FORM PATENTS SECURITY AGREEMENT

WHEREAS, Optis Wireless Technology, LLC, a Delaware limited liability company (the "Grantor"), has applied for letters patent and has been granted letters patents in the United States Patent and Trademark Office, and is the owner of the patent applications and patents listed in the attached Schedule of Patents and Patent Applications associated therewith;

WHEREAS, the Grantor has contemporaneously with the execution of this Short-Form Patents Security Agreement entered into the Pledge, Security and Guaranty Agreement, dated as of January 16, 2014 (as modified from time to time, the "Security Agreement"), in which the Grantor has granted certain interests in favor of Wilmington Trust, National Association, as collateral agent (the "Collateral Agent") for the benefit of the Secured Parties (as defined therein);

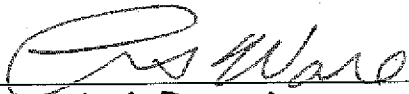
WHEREAS, pursuant to the Security Agreement, the Grantor has agreed with the Collateral Agent and the Secured Parties to execute this Short-Form Patents Security Agreement;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor hereby grants to the Collateral Agent for the benefit of the Secured Parties, to the extent provided in the Security Agreement (the terms and conditions of which are hereby incorporated herein), a second lien security interest in all of its right, title and interest in, to and under all the patents and patent applications whether now owned or at any time hereafter acquired, of the Grantor issued by, or for which applications have been filed with, the United States Patent and Trademark Office, including the patents and applications on the attached Schedule of Patents and Patent Applications, and all related patents and applications thereto, including all reissuances, continuations, continuations-in-part, revisions, extensions, re-examinations thereof, any patents and patent applications claiming priority to said patents and patent applications or from which said patents and patent applications claim priority, and pending applications associated therewith, as collateral security for the prompt and complete payment and performance when due of all the Secured Obligations (as defined in the Security Agreement). Notwithstanding the foregoing, in the event of any conflict between this Short-Form Patents Security Agreement and the Security Agreement, the Security Agreement shall control.

Dated: January 16, 2014

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OPTIS WIRELESS TECHNOLOGY, LLC

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**PATENT**  
**REEL: 032437 FRAME: 0657**

SCHEDULE OF  
PATENTS AND PATENT APPLICATIONS

**Ericsson Listed Patents**

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	A Method and Apparatus for Locating a Digital Control Channel in a Radiocommunication System	08/331711	1994-10-31	6058108	2000-05-02
US	GRANTED	A Method and Apparatus for Locating a Digital Control Channel in a Radiocommunication System	08/473583	1995-06-07	5570467	1996-10-29
US	GRANTED	A Method and Apparatus for Locating a Digital Control Channel in a Radiocommunication System	08/481865	1995-06-07	5970057	1999-10-19
US	GRANTED	A Method and Apparatus for Locating a Digital Control Channel in a Radiocommunication System	08/622403	1996-03-27	5722078	1998-02-24
US	GRANTED	A Method and Apparatus for Locating a Digital Control Channel in a Radiocommunication System	09/357158	1999-07-19	6496489	2002-12-17
US	GRANTED	Intelligent battery charging in a hand-held phone	08/919313	1997-08-28	6577100	2003-06-10
US	GRANTED	A Quick-Recognition Visual Notification system for Use in Radio Telephones	08/720823	1996-10-02	5946636	1999-08-31
US	GRANTED	Docking and Electrical Interface for Personal Use Communication Devices	08/766368	1996-11-22	5991640	1999-11-23
US	GRANTED	Method and Apparatus for Using a Touch Screen Display on a Portable Intelligent Communications Device	08/938510	1997-09-26	6433801	2002-08-13
US	GRANTED	Wireless mobile communication devices for group use	08/980741	1997-12-01	6032051	2000-02-29
US	GRANTED	On-line notification in a mobile communications system	09/000929	1997-12-30	6512930	2003-01-28
US	GRANTED	Random access in a mobile telecommunications system	09/079438	1998-05-15	6643275	2003-11-04
US	GRANTED	Apparatus and Methods for Position Computation Based on Broadcast Initialization Data	09/098049	1998-06-16	6636740	2003-10-21
US	GRANTED	Cellular Phone that Displays or Sends Messages Upon Its Arrival at a Predetermined Location	09/223904	1998-12-31	6360101	2002-03-19
US	GRANTED	Multi-Client Object-Oriented Interface Layer	09/160624	1998-09-24	6356631	2002-03-12
US	GRANTED	DATA UNIT SENDING MEANS AND CONTROL METHOD	09/577876	2000-05-25	6816471	2004-11-09

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US	GRANTED	DATA UNIT SENDING MEANS AND CONTROL METHOD	10/866832	2004-06-15	7035237	2006-04-25
US	GRANTED	Mobile Terminal with Location Database	09/546720	2000-04-11	6625457	2003-09-23
US	GRANTED	Method and devices for dialing services	10/841023	2004-05-07	7324811	2008-01-29
US	GRANTED	Method and devices for dialing services	09/725705	2000-11-29	6757539	2004-06-29
US	GRANTED	METHOD AND SYSTEM FOR INCREMENTAL REDUNDANCY OPERATION ON VARIABLE GROSS RATE CHANNELS	09/505792	2000-02-17	6604216	2003-08-05
US	GRANTED	Method and apparatus for transmit power control	09/677131	2000-09-29	6904290	2005-06-07
US	GRANTED	A System and Method for Sending Multimedia Attachments to Text Messages in Radiocommunication Systems	09/630624	2000-08-03	6865191	2005-03-08
US	FILED		10/337198	2001-07-06		
US	GRANTED	RLC window size reconfiguration	10/551080	2004-04-06	7729719	2010-06-01
US	GRANTED	Retransmission Protocol with two Feedback Mechanisms	11/383830	2006-05-17	7673211	2010-03-02
US	FILED	Method and apparatus for identifying an IMS service	13/959075	2013-08-05		
US	GRANTED	Method and apparatus for identifying an IMS service	11/914796	2005-05-25	8285852	2012-10-09
US	GRANTED	Method and apparatus for identifying an IMS service	13/608082	2012-09-10	8572261	2013-10-29
US	FILED	User Equipment Information based binding	12/513744	2006-11-06		
US	FILED	QUADRATIC PERMUTATION POLYNOMIAL INTERLEAVER/DE-INTERLEAVER FOR TURBO CODES	13/561781	2012-07-30		
US	GRANTED	QUADRATIC PERMUTATION POLYNOMIAL INTERLEAVER/DE-INTERLEAVER FOR TURBO CODES	11/936242	2007-11-14	8239711	2012-08-07
US	GRANTED	PCT title: SYNCHRONIZATION TIME DIFFERENCE MEASUREMENTS IN OFDM SYSTEMS SE prior title: METHOD AND ARRANGEMENT RELATING TO COMMUNICATIONS NETWORK	11/962168	2007-12-21	8102754	2012-01-24

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US	FILED	A METHOD AND DEVICE FOR COMMUNICATIONS SYSTEM	13/717753	2012-12-18		
US	GRANTED	A METHOD AND DEVICE FOR COMMUNICATIONS SYSTEM	12/665191	2008-06-10	8370696	2013-02-05
US	FILED	Method and Arrangement in a Telecommunication System	12/338469	2008-12-18		
US	FILED	METHOD AND APPARATUS IN A COMMUNICATION NETWORK SYSTEM PCT title: METHODS AND ARRANGEMENTS IN A WIRELESS COMMUNICATIONS SYSTEM FOR CONTROLLING THE TIMING OF A USER EQUIPMENT ENTERING IN AN UPLINK TRANSMISSION PROCEDURE	12/865867	2008-12-16		
US	GRANTED	Adaptive Transmit Power Mask PCT title: METHOD AND ARRANGEMENT IN A CELLULAR COMMUNICATIONS SYSTEM	12/990502	2008-12-18	8223863	2012-07-17
US	GRANTED	USSD-positioning	08/986512	1997-12-08	6081711	2000-06-27
US	GRANTED	An operational test device and method of performing an operational test for a system under test.	08/987765	1997-12-09	6011830	2000-01-04
US	GRANTED	Voice Path Testing in Telecommunications system	08/987476	1997-12-09	6134302	2000-10-17
US	GRANTED	Communications System and Method for Testing of a Communications Apparatus	08/987616	1997-12-09	5875397	1999-02-23
US	GRANTED	Network Mutex	09/014504	1998-01-28	6105057	2000-08-15
US	GRANTED	Fair channel allocation protocol for DTM networks	09/271978	1999-03-19	6587472	2003-07-01
US	GRANTED	Methods and Systems for Solving the Paging Problem for a Multiline Fixed Cellular System	09/074206	1998-05-07	6163702	2000-12-19
US	GRANTED	System and Method for Time Defined Delivery of Short Message Service Messages	09/046149	1998-03-23	6044275	2000-03-28
US	GRANTED	Equipment Leveling Device	09/071317	1998-05-01	6158134	2000-12-12
US	GRANTED		09/468903	1999-12-22	6512757	2003-01-28
US	GRANTED	System and method of mobile station presence verification in a multiple-hyperband cellular telecommunications network	09/009055	1998-01-20	6094579	2000-07-25

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US	GRANTED	Method for Handling of Positioning Triggers for Batch Location Requests Within a Location Services System	09/086889	1998-05-29	6167266	2000-12-26
US	GRANTED	One-bit correlator rake receiver	09/330003	1999-06-11	6370184	2002-04-09
US	GRANTED	Method and device for avoiding interruptions in voice transmissions	09/467623	1999-12-20	6466789	2002-10-15
US	GRANTED	Method and Arrangement for Testing	09/674919	1999-04-20	6526124	2003-02-25
US	GRANTED	System for the marketing of telecommunications traffic capacity	09/199830	1998-11-25	6421434	2002-07-16
US	GRANTED	System and Method for Processing Telephone Calls	09/191021	1998-11-12	6263053	2001-07-17
US	GRANTED	System, Method and Apparatus for Converting Voice Mail to Text and Transmitting as an Email or Facsimile	09/218858	1998-12-22	6587871	2003-07-01
US	GRANTED	Leap Frog Beacon	09/189814	1998-11-10	6327468	2001-12-04
US	GRANTED	Periodic Re-Examination of a DCCH Pointer Channel While Camped on an ACC	09/123627	1998-07-28	6154651	2000-11-28
US	GRANTED	Radio Communications System with Adaptive Polarization	09/113316	1998-07-10	6356771	2002-03-12
US	GRANTED	High Performance Half Rate Coding for a Time Division Radio Telephone System	09/174207	1998-10-16	6216107	2001-04-10
US	GRANTED	Methods for Adjusting Audio Signals Responsive to Changes in a Power Supply Level and Related Communications Devices	09/139825	1998-08-25	6173056	2001-01-09
US	GRANTED	Pivotable Earpiece Assembly	09/166413	1998-10-05	6256386	2001-07-03
US	GRANTED	Electrical Connection for Telephone with Hinged Cover	09/162323	1998-09-28	6272324	2001-08-07
US	GRANTED	Current Biasing Circuit	09/162176	1998-09-28	6255897	2001-07-03
US	GRANTED	Voice Communication for Handheld Computing Devices	09/173809	1998-10-16	6144864	2000-11-07
US	GRANTED	Systems and Methods for Extracting and Digitizing Phase and Frequency Information from an Analog Sig	09/169863	1998-10-12	6587528	2003-07-01
US	GRANTED	Rotational Spring/Damper Mechanism	09/133358	1998-08-13	6195431	2001-02-27
US	GRANTED	Axially-Compliant Coaxial Connectors and Radiotelephones Including Same	09/168030	1998-10-07	5928000	1999-07-27
US	GRANTED	Adaptive Site Scanning Based on Click Rate Estimation	09/162589	1998-09-29	6292660	2001-09-18
US	GRANTED	Automatic Sensing of Communication or Accessories for Mobile Terminals	09/237587	1999-01-26	6285890	2001-09-04



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US	GRANTED	Synchronization Algorithm For Systems With Multiple Frequency Offsets And Known Timing Relationships	09/275060	1999-03-23	6308076	2001-10-23
US	GRANTED	Methods for Packaging Integrated Circuit Devices Including Cavities Adjacent Active Regions and Related Structures	09/248546	1999-02-11	6001673	1999-12-14
US	GRANTED	Dual Clock Signal Generating Circuit	09/224529	1998-12-31	6138246	2000-10-24
US	GRANTED	Word Entry Method for Mobile Originated Short Messages	09/363437	1999-07-29	6606486	2003-08-12
US	GRANTED	Delay Cell With Controlled Output Amplitude	09/266317	1999-03-11	6208212	2001-03-27
US	GRANTED	Electronic Device with Retractable Cord	09/240156	1999-01-29	6082656	2000-07-04
US	GRANTED	Voice Mail Intervention	09/220965	1998-12-23	6453023	2002-09-17
US	GRANTED	Handling Incoming Data/Facsimile Transmissions And Voice Calls In A Computer/Telephony Integrated System	09/160628	1998-09-24	6108405	2000-08-22
US	GRANTED	Method & Apparatus for Electrically Coupling Digital Devices	09/252008	1999-02-16	6404231	2002-06-11
US	GRANTED	Voice Activated Alpha Dialing For Terminal Handsets	09/277498	1999-03-26	6526292	2003-02-25
US	GRANTED	Swivel Clip for Releasably Securing Personal Articles	09/253461	1999-02-22	6038742	2000-03-21
US	GRANTED	Automatic Access to Internet E-mail via SMS	09/325326	1999-06-03	6424828	2002-07-23
US	GRANTED	Communications Devices and Methods that Operate According to Communications Device Orientations Determined by Reference to Gravitational Sensors	09/272926	1999-03-19	6411828	2002-06-25
US	GRANTED	Systems, Methods & Computer Program Products for Performing Internet Searches Utilizing Bookmarks	09/264344	1999-03-08	6480853	2002-11-12
US	GRANTED	Shielding Apparatus for Electronic Devices	09/277675	1999-03-26	6157546	2000-12-05
US	GRANTED	Signal Design For Multi-Carrier Direct Sequence Spread Spectrum CDMA System	09/481173	2000-01-12	6810070	2004-10-26
US	GRANTED	Gel Structure of Combined EMI Shielding and Thermal Control of Microelectronic Assemblies	09/338818	1999-06-23	6195267	2001-02-27
US	GRANTED	Method For Re-Flashing Mobile Phone Memory Through SIM Connector	09/351805	1999-07-13	6400965	2002-06-04
US	GRANTED	Apparatus and Method for Automatically Prioritizing Telephone Dialing Strings	09/434262	1999-11-05	6594480	2003-07-15

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US	GRANTED	Low Power Operation in a Radiotelephone	09/396720	1999-09-15	6311081	2001-10-30
US	GRANTED	Hand Writing Recognition Input Device	09/425637	1999-10-22	6477274	2002-11-05
US	GRANTED	Acoustic Testing System and Method for Communications Devices	09/432702	1999-11-02	6625448	2003-09-23
US	GRANTED	Selection of Traffic Channel for Group3 Fax	09/361940	1999-07-27	6459907	2002-10-01
US	GRANTED	RF Emissions Shield Including Resilient Fingers and Connector Assembly and Method Including the Same	09/334188	1999-06-16	6264480	2001-07-24
US	GRANTED	Simplified Dialing for Two Stage Dialing	09/452650	1999-12-01	6748239	2004-06-08
US	GRANTED	Acquisition of Mobile Station Power Source Capacity Levels in a Wireless Communications Network	09/461556	1999-12-14	6501949	2002-12-31
US	GRANTED	A SYSTEM AND METHOD FOR DETECTING A DEADLOCKED RESOURCE CONDITION IN A POOL OF SHARED RESOURCES	09/565329	2000-05-05	6597907	2003-07-22
US	GRANTED	System and Method for Adding Services to Computer Telephone Systems	09/221631	1998-12-23	6330319	2001-12-11
US	GRANTED	INTERNET PROTOCOL NETWORK ARCHITECTURE FOR A GLOBAL SATELLITE SYSTEM	09/531916	2000-03-21	6735184	2004-05-11
US	GRANTED	Method and System for Deterministic Charging in a Satellite Communications System	09/442820	1999-11-18	6438355	2002-08-20
US	GRANTED	System and Method for Providing Multiple Queue Redundancy In a Distributed Computing System	09/422839	1999-10-21	6516423	2003-02-04
US	GRANTED	Communication receiver having reduced dynamic range	09/977573	2001-10-15	6678509	2004-01-13
US	GRANTED	System and method for a previously activated mobile station to challenge network mobile station knowledge during over the air activation	09/160369	1998-09-24	6195547	2001-02-27
US	GRANTED	Coverage detection and indication in multimedia radiocommunication systems	09/173716	1998-10-16	6553010	2003-04-22
US	GRANTED	A method and a system relating to a mobile communication device	09/588461	2000-06-06	6718175	2004-04-06

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US	GRANTED	System and method of handling emergency calls in a radio telecommunications network in the presence of cloned mobile stations.	09/187935	1998-11-06	6148190	2000-11-14
US	GRANTED	An arrangement and a method relating to cellular radio communication systems	09/465508	1999-12-16	6363250	2002-03-26
US	GRANTED	Method and system for monitoring power output in transceivers	09/223633	1998-12-31	6434386	2002-08-13
US	GRANTED	System and method for over the air activation in a wireless telecommunications network	09/201534	1998-11-30	6141544	2000-10-31
US	GRANTED	An Apparatus for Illuminating an Electroluminescent Lamp that Preserves Battery Power	09/223787	1998-12-31	6157138	2000-12-05
US	GRANTED	Buzzer with zener diode in discharge path	09/266792	1999-03-12	6111497	2000-08-29
US	GRANTED	Method and system for emitter partitioning for SiGe RF power transistors	09/189804	1998-11-12	6236072	2001-05-22
US	GRANTED	Method and system for emitter partitioning for SiGe RF power transistors	09/801701	1998-11-12	6503809	2003-01-07
US	GRANTED	Method and apparatus for configuring a rake receiver	09/204359	1998-12-04	6665282	2003-12-16
US	GRANTED	Method and apparatus of invoking services in a telecommunications terminal	09/556872	2000-04-21	6574467	2003-06-03
US	GRANTED	System and Method for Dial-Up Networking Over Infrared Data Link	09/437052	1999-11-09	6519644	2003-02-11
US	GRANTED	Plug and play 12C slave	09/226166	1999-01-07	6363437	2002-03-26
US	GRANTED	One-Hot Decoded Phase Shift Prescaler	09/432623	1999-11-03	6570946	2003-05-27
US	GRANTED	Swivel Belt Clip with Bi-Directional Action	09/425751	1999-10-22	6206257	2001-03-27
US	GRANTED	Over The Air Activation Based on ESN's Indexing in the AUC	09/390817	1999-09-07	6529727	2003-03-04
US	GRANTED	Selective Transmission of Serial Numbers in 136	09/391268	1999-09-07	6484022	2002-11-19
US	GRANTED	Systems, Methods and Computer Program Products for Providing Traffic Frequency Diversification in a Cellular Communication System	09/695357	2000-10-24	7142580	2006-11-28
US	GRANTED	Wireless Communications Terminal and Methods Including Multiple Entry Phonebook for Multiple Transceivers	09/585890	2000-05-31	6658264	2003-12-02

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US	GRANTED	METHOD, APPARATUS AND SYSTEM FOR PROVIDING MULTIPLE QUALITY OF SERVICE CLASSES TO SUBSCRIBERS IN A NETWORK	09/469913	1999-12-22	6909719	2005-06-21
US	GRANTED	Adjustable Height Cable Retaining Post for Cable Ladder	09/641421	2000-08-18	6483026	2002-11-19
US	GRANTED	Arrangement at a mobile telephone	09/527057	2000-03-16	6493542	2002-11-10
US	GRANTED	Tailored power levels at handoff and call setup	09/471128	1999-12-23	6654608	2003-11-25
US	GRANTED	Apparatus and method of detecting proximity inductively	09/597303	2000-06-20	6545612	2003-04-08
US	GRANTED	Flexible Dual Mode Antenna for Mobile Stations	09/429066	1999-10-29	6163302	2000-12-19
US	GRANTED	Simple chip identification	09/614583	2000-07-12	6483335	2002-11-19
US	GRANTED	Double Sided Gasket	09/399157	1999-09-20	6332618	2001-12-25
US	GRANTED	Phase Null Mitigation Method	09/686518	2000-10-11	6778838	2004-08-17
US	GRANTED	System and Method for Forwarding Messages to a Subscriber Device	09/645390	2000-08-24	6405035	2002-06-11
US	GRANTED	Data Mining of Calls Based on Called Party Identity	09/651716	2000-08-31	6628770	2003-09-30
US	GRANTED	Method for Learning the Combined Response of the Transmit and Receive Filters  PCT Title as changed by ISA: Estimation and Compensation of the Impulse response of the Pulse-shaping Filter in a Wireless Terminal	09/773889	2001-02-02	6920191	2005-07-19
US	GRANTED	E-Mail Address Sim Storage	09/767110	2001-01-21	6895428	2005-05-17
US	GRANTED	Methods, Receivers, Transmitters, and Systems for Performing a Soft-Hand-Over of a Mobile Terminal Between Base Stations that communicate Using Different Communication Channels	09/829689	2001-04-10	6920324	2005-07-19
US	GRANTED		09/859753	2001-05-17	6956836	2005-10-18
US	GRANTED	Dual Compression Connector Using a Compression Spring with Loop Ends	09/860056	2001-05-17	6491527	2002-12-10
US	GRANTED		09/999212	2001-10-31	7136681	2006-11-14
US	GRANTED	Resequencing Methods for Data Packets	10/028163	2001-12-19	7120149	2006-10-10
US	GRANTED	System and method of creating subscriber services in an IP-based telecommunications network	09/578597	2000-05-25	6711157	2004-03-23

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US	GRANTED	Method of handling subscriber services in a wireless intelligent network	09/610135	2000-07-05	6615042	2003-09-02
US	GRANTED	Apparatus and method for mobile subscriber service modification	09/303771	1999-04-30	6449479	2002-09-10
US	GRANTED	A Method and Apparatus for Providing a Camera Accessory with Compression	09/680287	2000-10-06	6792148	2004-09-14
US	GRANTED		09/764506	2001-01-17	6691273	2004-02-10
US	GRANTED	System and method for dual microphone signal noise reduction using spectral subtraction	09/493265	2000-01-28	6717991	2004-04-06
US	GRANTED	ESD protecting device	09/745683	2000-12-21	6435887	2002-08-20
US	GRANTED	A method of manufacturing a shell element provided with an opening in an angled part and a shell element manufactured by said method	09/789173	2001-02-20	6635210	2003-10-21
US	GRANTED	Matched crystal temperature compensation device	09/664921	2000-09-18	6522212	2003-02-18
US	GRANTED	System and Method for Modifying Speech Signals	09/754993	2001-01-05	6704711	2004-03-09
US	GRANTED	Method for measuring system clock signal frequency variations in digital processing systems	09/795231	2001-02-26	6681200	2004-01-20
US	GRANTED	Tariff determination in mobile telecommunication networks	09/614836	2000-07-12	6650886	2003-11-18
US	GRANTED	Method for downlink attenuation based on mobile protocol version	09/625361	2000-07-25	6836473	2004-12-28
US	GRANTED	Way of printing difficult spots with a conductive coating on an electrical unit REG: Printing of a conductive coating on an electric unit	09/805408	2001-03-13	6729238	2004-05-04
US	GRANTED	Impedance matched horn having impedance matched to impedance of an ear	09/594816	2000-06-16	6907121	2005-06-14
US	GRANTED	A lever device for a holder adapted to receive a hand-held unit, and such a holder	09/864781	2001-05-24	6754343	2004-06-22
US	GRANTED	A Communications Interface Device for Receiving Digital Signals	10/468260	2002-02-15	7580677	2009-08-25
US	GRANTED	Controlling surveillance monitoring of mobile station communications at inter-exchange handoff	09/666897	2000-09-20	6567656	2003-05-20
US	GRANTED	A transmitter	10/432549	2001-11-07	7065330	2006-06-20
US	GRANTED	Shield can	10/036632	2001-12-21	6682674	2004-01-27
US	GRANTED	Cell relation manager	09/908631	2001-07-20	6810248	2004-10-26

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US	FILED	SRNS-relocation while using direct transport bearers between SRNC and node-B	10/078161	2002-02-20		
US	GRANTED	METHOD AND ARRANGEMENTS RELATING TO A RADIO COMMUNICATION SYSTEM	10/509825	2003-04-02	7328038	2008-02-05
US	GRANTED	Self-Calibrating Controllable Oscillator	10/887938	2004-07-09	7023285	2006-04-04
US	GRANTED	Wireless communications apparatus, methods and computer program products using broadcast control channel messaging	10/128846	2002-04-24	7177299	2007-02-13
US	GRANTED	VERSATILE SYSTEM FOR SCHEDULING WITHIN A PACKET OPERATING SYSTEM	10/244360	2002-09-16	7167478	2007-01-23
US	GRANTED	Printed Circuit Boards	09/529312	1998-10-13	6262392	2001-07-17
US	GRANTED	Sending dialed number	09/433936	1999-11-04	6498940	2002-12-24
US	GRANTED		07/733104	1991-07-19	5307413	1994-04-26
US	GRANTED		10/793072	2004-03-04	7415411	2008-08-19
US	GRANTED	Middleware Application Environment; epetkla	10/664618	2003-09-19	7350211	2008-03-25
US	FILED	Method and Apparatus to Reduce Dispatch Delays in Dispatch Communication Networks	10/672531	2003-09-26		
US	GRANTED	Methods Of Processing Digital Image And/Or Video Data Including Luminance Filtering Based On Chrominance Data And Related Systems And Computer Program Products  METHODS OF PROCESSING DIGITAL IMAGE AND/OR VIDEO DATA INCLUDING LUMINANCE FILTERING BASED ON CHROMINANCE DATA AND RELATED SYSTEMS AND COMPUTER PROGRAM PRODUCTS	11/846778	2007-08-29	8274577	2012-09-25
US	GRANTED	METHOD AND APPARATUS FOR PHASE-NOISE COMPENSATION IN DIGITAL RECEIVERS	11/301100	2005-12-12	7903769	2011-03-08
US	GRANTED		10/595075	2004-07-29	7778646	2010-08-17
US	GRANTED	Management of Neighbor Lists	10/735334	2003-12-12	7130627	2006-10-31
US	GRANTED	METHOD AND APPARATUS IN A CELLULAR TELECOMMUNICATIONS SYSTEM	10/582688	2003-12-19	7881260	2011-02-01

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US	GRANTED	METHOD AND APPARATUS TO IMPROVE COMMUNICATION PERFORMANCE IN ARQ NETWORKS	11/018773	2004-12-21	7697469	2010-04-13
US	GRANTED	Interleaving / De-interleaving using compressed bit-mapping sequences	11/016643	2004-12-17	7600164	2009-10-06
US	GRANTED	Improved real and complex logarithmic ALU	11/142760	2005-06-01	7689639	2010-03-30
US	GRANTED	Method and device for determining size of memory frames	11/576848	2005-10-06	7689798	2010-03-30
US	GRANTED	ADAPTIVE FILTER	11/302045	2005-12-13	7136536	2006-11-14
US	GRANTED	PROVIDING ROBUSTNESS IN FADING RADIO CHANNELS	10/929452	2004-08-31	7483674	2009-01-27
US	GRANTED		11/073434	2005-03-07	7249217	2007-07-24
US	GRANTED	Method and Nodes for Handling Calls in an Intelligent Telecommunications Network	11/996340	2005-07-22	8103265	2012-01-24
US	GRANTED	SINGLE ANTENNA INTERFERENCE CANCELLATION VIA COMPLEMENT SUBSPACE PROJECTION IN SPATIAL-TEMPORAL EXPANSION OF NOISE ESTIMATION	11/287445	2005-11-28	7545893	2009-06-09
US	GRANTED	METHOD FOR SPECIFICATION AND INTEGRATION OF REUSABLE IP CONSTRAINTS	11/294653	2005-12-05	7526745	2009-04-28
US	GRANTED	CIRCULAR FAST FOURIER TRANSFORM	11/302243	2005-12-14	7685220	2010-03-23
US	GRANTED	Host Identity Protocol Method and Apparatus	11/915196	2006-05-23	7849195	2010-12-07
US	GRANTED	Efficient Cell Selection	11/289184	2005-11-29	8396141	2013-03-12
US	FILED	DYNAMIC ROBUST HEADER COMPRESSION	11/424600	2006-06-16		
US	GRANTED	Security System for Wireless Internet	11/988835	2006-06-16	8081070	2011-12-20
US	GRANTED	APPARATUS AND METHOD FOR PRODUCING 3D AUDIO IN SYSTEMS WITH CLOSELY SPACED SPEAKERS	12/412072	2009-03-26	8295498	2012-10-23
US	GRANTED	METHOD AND ARRANGEMENT IN A COMMUNICATIONS SYSTEM	12/301579	2006-05-19	8243758	2012-08-14

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	Uplink medium access control PCT title: A mobile station communicating with a base station via a separate uplink when the parameters of channel quality fall below the predefined thresholds	12/514900	2006-11-17	8125921	2012-02-28
US	GRANTED	EFFICIENT DATA INTEGRITY PROTECTION	11/611128	2006-12-14	8036380	2011-10-11
US	GRANTED	FAST, HIGH RESOLUTION DIGITAL-TO-ANALOG CONVERTER	11/612551	2006-12-19	7456772	2008-11-25
US	GRANTED	METHOD FO REDUCING INTRA-CELL INTERFERENCE BETWEEN CELL PHONES PERFORMING RANDOM ACCESS	12/444056	2007-06-26	8345654	2013-01-01
US	GRANTED	LOAD CONTROL IN A COMMUNICATION NETWORK	12/445060	2006-10-09	8040805	2011-10-18
US	GRANTED	PCT Title in ISR: METHOD AND APPARATUS FOR ALLOCATING USABLE SUB-CARRIERS TO PHYSICAL RESOURCE BLOCKS IN A MOBILE TELECOMMUNICATIONS SYSTEM.  PCT Title at filing:METHOD AND ARRANGEMENT IN A TELECOMMUNICATION SYSTEM	12/439286	2007-08-27	8514694	2013-08-20
US	GRANTED		11/625643	2007-01-22	7835727	2010-11-16
US	GRANTED	MULTI MODE OUTER LOOP POWER CONTROL IN A WIRELESS NETWORK	12/518544	2007-08-28	8150447	2012-04-03
US	GRANTED	Multicast push to talk groups, apparatus, and methods	11/696428	2007-04-04	8447340	2013-05-21
US	GRANTED	Supplementary services in communication networks.	12/526291	2007-02-16	8489682	2013-07-16
US	GRANTED	METHOD AND ARRANGEMENT IN A TELECOMMUNICATION SYSTEM	12/531716	2007-10-16	8401561	2013-03-19
US	GRANTED	METHOD AND ARRANGEMENT IN A TELECOMMUNICATION SYSTEM	12/597839	2008-02-27	8380196	2013-02-19
US	FILED	METHODS AND ARRANGEMENTS IN A WIRELESS COMMUNICATION SYSTEM	12/602180	2008-05-09		



Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	RADIO BEARER SPECIFIC CHANNEL STATE FEEDBACK REPORTING	12/531727	2007-09-27	8018855	2011-09-13
US	FILED	A DEVICE AND A METHOD FOR MULTIPLE NUMBERS FOR ONE USER	12/671128	2008-08-12		
US	GRANTED	A method for establishing a local media connection in a communication system	12/808523	2007-12-20	8266299	2012-09-11
US	FILED	CELL RESELECTION BASED ON USE OF RELATIVE THRESHOLDS IN A MOBILE TELECOMMUNICATION SYSTEM	12/676499	2008-05-19		
US	GRANTED		12/810397	2008-10-01	8538447	2013-09-17
US	GRANTED		12/058352	2008-03-28	8155145	2012-04-10
US	FILED	PRESCHEDULED RETRANSMISSION FOR INITIAL ESTABLISHMENT	12/809499	2007-12-20		
US	GRANTED	Provisional application: ADAPTING UL/DL ALLOCATION FOR HALF-DUPLEX TERMINALS Regular application: ADAPTIVE SCHEDULING FOR HALF-DUPLEX WIRELESS TERMINALS	12/255054	2008-10-21	8155032	2012-04-10
US	FILED	Force arrangement for radio frequency filters	12/993570	2008-05-21		
US	FILED	IP MULTIMEDIA SUBSYSTEM REGISTRATION	12/811590	2009-01-08		
US	FILED	Automatic Data Mining Process Control	12/999396	2008-08-29		
US	GRANTED	PCT Title at filing: DRX FUNCTIONALITY IN MULTI-CARRIER WIRELESS NETWORKS	12/934207	2008-09-03	8526377	2013-09-03
US	GRANTED		12/189525	2008-08-11	8243970	2012-08-14
US	GRANTED	Method and Arrangement in a Telecommunication System PCT title: METHOD AND ARRANGEMENT IN A TELECOMMUNICATION SYSTEM WITH SIGNALLING OF ASSIGNED DATA PACKETS IN A BUNDLING WINDOW	12/989994	2008-10-03	8477666	2013-07-02
US	FILED	RESOURCE SELECTION FOR TRANSMISSION OF MULTIPLE ACK/NACK ON PUCCH CHANNEL	13/768019	2013-02-15		

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	RESOURCE SELECTION FOR TRANSMISSION OF MULTIPLE ACK/NACK ON PUCCH CHANNEL	12/467086	2009-05-15	8379547	2013-02-19
US	GRANTED	QUEUE MANAGEMENT SYSTEM AND METHODS	12/368723	2009-02-10	8565249	2013-10-22
US	FILED		61/080802	2008-07-15		
US	GRANTED		12/249566	2008-10-10	8175628	2012-05-08
US	FILED		61/158844	2009-03-10		
US	GRANTED		12/472128	2009-05-26	8095075	2012-01-10
US	FILED	Supervision of LI and DR query activities	13/259470	2009-04-22		
US	GRANTED		12/558033	2009-09-11	8094579	2012-01-10
US	FILED	A method and arrangement for estimating the quality degradation of a processed signal	13/321937	2009-06-04		
US	FILED	Scheduling Information for Dual Cell HSUPA	12/729704	2010-03-23		
US	FILED	METHODS AND ARRANGEMENTS FOR MOBILITY MANAGEMENT	13/377661	2009-11-27		
US	FILED	Method and arrangement in a wireless communication system	13/500174	2010-03-12		
US	FILED	Technique for Performing Physical Layer Measurements (regular application) UE Measurement Procedure on Component Carriers (provisional application)	13/512358	2010-11-25		
US	FILED		12/982312	2010-12-30		
US	GRANTED		12/772456	2010-05-03	8553647	2013-10-08
US	FILED	REPORTING THE NUMBER OF ACTIVE BEARERS IN A RELAY	13/577494	2010-06-28		
US	GRANTED	Fast Dormancy Requests in Communication Systems	13/029395	2011-02-17	8441973	2013-05-14
US	FILED	Method And Arrangement For Ranking Users	13/991443	2011-02-04		
US	FILED	Randomization of Reduced Transmission Resources	13/163876	2011-06-20		
US	GRANTED		13/301817	2011-11-22	8204062	2012-06-19
US	FILED		PCT/SE2011/051143	2011-09-26		
US	FILED	METHOD FOR SIGNALLING HYBRID AUTOMATIC REPEAT REQUEST (HARQ) CONFIGURATION	13/696356	2012-09-27		

### Ericsson Additional Patents

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
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Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	Systems and Methods for Data-Augmented, Pilot-Symbol-Assisted Radiotelephone Communications	08/631141	1996-04-15	5901185	1999-05-04
US	GRANTED	Timing Signal Generator for Digital Communication System	08/659133	1996-06-04	5809091	1998-09-15
US	GRANTED	Telecommunication method	08/879079	1997-06-19	5909481	1999-06-01
US	GRANTED	Device and method for a radio transmitter	08/880740	1997-06-23	6047168	2000-04-04
US	GRANTED	USSD-scheduler in MSC	08/865684	1997-05-30	5999825	1999-12-07
US	GRANTED	Circuit board testing	08/883904	1997-06-27	5812563	1998-09-22
US	GRANTED	Circulator Usage in Time Division Duplex Radios	08/709287	1996-09-06	5923647	1999-07-13
US	GRANTED	Method and apparatus for increasing the answering probability of calls to mobile radio terminals	08/708113	1996-09-04	5950128	1999-09-07
US	GRANTED	Optimized Routing of Calls to Roaming Subscribers Within A Telecommunication Network	08/710349	1996-09-16	5991621	1999-11-23
US	GRANTED	A system and a method for introducing a new service	09/297696	1997-11-06	6412002	2002-06-25
US	GRANTED	Rechargeable battery with safety circuit for a portable electric apparatus	08/996473	1997-12-22	6049144	2000-04-11
US	GRANTED	Method and arrangement in a telecommunication system	09/006490	1998-01-13	6304752	2001-10-16
US	GRANTED		09/341853	1999-11-12	6421687	2002-07-16
US	GRANTED	Circuit and method for generating a voltage	09/018536	1998-02-04	5926013	1999-07-20
US	GRANTED	Intelligent terminal application protocol	08/825177	1997-03-27	6055424	2000-04-25
US	GRANTED	Flexible Current Control in Power Amplifiers	08/806919	1997-02-26	6072995	2000-06-06
US	GRANTED	Multiple Home Zone Areas Within A Mobile Telecommunications Network	08/822243	1997-03-19	6044261	2000-03-28
US	GRANTED	Power amplifier and method therein	09/063273	1998-04-21	6014059	2000-01-11
US	GRANTED	Sample Timing Selection and Frequency Offset Correction for U.S. Digital Cellular Mobile Receivers	08/028016	1993-03-08	5343498	1994-08-30
US	GRANTED	Bit detection method in a radio communications system	09/079853	1998-05-15	6519740	2003-02-11

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	Method for frequency mode validation for, frequency assignment for, and evaluating the network effect of a frequency plan revision within a dual mode cellular telephone system	08/852879	1997-05-08	6052593	2000-04-18
US	GRANTED	Apparatus Enabling Usage Of External Display Monitor With A Mobile Telephone	08/845937	1997-04-29	5880732	1999-03-09
US	GRANTED	Method and arrangement in a communications network	09/449861	1998-05-26	6744737	2004-06-01
US	GRANTED	Arrangement and method by a mobile transceiver	09/099922	1998-06-18	6587674	2003-07-01
US	GRANTED	System and Method for Updating a Memory in an Electronic Device via Wireless Data Transfer	08/892262	1997-07-10	5974312	1999-10-26
US	GRANTED	Automated prepayment method for mobile terminals	08/896016	1997-07-17	6036090	2000-03-14
US	GRANTED	Travel converter for a mobile telephone	08/911251	1997-08-15	6108562	2000-08-22
US	GRANTED	Mobile terminal based tariff acquisition system for wireless services	08/921030	1997-08-29	6101379	2000-08-08
US	GRANTED	Electronic Mail Forwarding System and Method	08/940089	1997-09-29	6138146	2000-10-24
US	GRANTED	Method, receiver and multicarrier QAM system for demodulation of an analog multicarrier QAM signal	09/531336	1998-09-25	6310926	2001-10-30
US	GRANTED	Received Signal Strength Determination Methods and Systems	08/942645	1997-10-02	6006077	1999-12-21
US	GRANTED	An identification arrangement and method	09/179269	1998-10-27	6112105	2000-08-29
US	GRANTED	Network based tariff acquisition system for roaming mobile subscribers	08/936527	1997-09-24	6167250	2000-12-26
US	GRANTED	Implementing Number Portability Using a Flexible Numbering Register and an Interwork Link Register	08/962479	1997-10-31	6049714	2000-04-11
US	GRANTED	Method and Apparatus for Updating Databases	08/965002	1997-11-05	6898591	2005-05-24
US	GRANTED	A Methodology For Coverage Verification in Cellular Systems	08/985439	1997-12-05	6081717	2000-06-27

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	Query supporting interface between a customer administrative system and database network elements of a telecommunications system	08/975631	1997-11-21	6134544	2000-10-17
US	GRANTED	Announcing advertisements to telecommunications system users	09/582311	1998-12-24	6567658	2003-05-20
US	GRANTED	Encryption of data packets using a sequence of private keys generated from a public key	08/919728	1997-08-28	6052466	2000-04-18
US	GRANTED	Method & Apparatus for Providing Out of Band Dialed Digit Signaling for a Caller Interface in a Fixed Cellular Communications System	08/987729	1997-12-09	6073028	2000-06-06
US	GRANTED	Prepaid method utilizing credit information stored in mobile terminals for accessing wireless telecommunication networks	08/961947	1997-10-31	6070067	2000-05-30
US	GRANTED	Architecture Independent Application Invocation Over a Telephony Network	08/994861	1997-12-19	6208642	2001-03-27
US	GRANTED	Method and arrangement for establishing an encrypted connection	09/239700	1999-01-29	6483919	2002-11-19
US	GRANTED	System and Method for the Early Detection of Cellular Telephone Piracy	08/996089	1997-12-22	6161006	2000-12-12
US	GRANTED	Methods and Apparatus for Improved Echo Suppression in Communications Systems	09/005149	1998-01-09	6160886	2000-12-12
US	GRANTED	Methods and Apparatus for Controlling Echo Suppression in Communications Systems	09/005144	1998-01-09	6148078	2000-11-14
US	GRANTED	Signal synchronization	09/327735	1999-06-08	6628737	2003-09-30
US	GRANTED	Variable handoff hysteresis in a radio communication system	08/997998	1997-12-24	5995836	1999-11-30
US	GRANTED	Apparatus and Method for Handling Incoming Calls Received by a Portable Intelligent Communications Device During a Meeting	09/017595	1998-02-03	6574471	2003-06-03
US	GRANTED	Implementation of notification capabilities in relational databases	08/989944	1997-12-12	6041327	2000-03-21
US	GRANTED	Method for accessing mobile networks	09/028268	1998-02-23	6181936	2001-01-30

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	An equalizer for use in multi-carrier modulation systems	09/049384	1998-03-27	6185251	2001-02-06
US	GRANTED	Phase Digitizer for Radio Communications	08/982202	1997-12-01	6148050	2000-11-14
US	GRANTED	Method and system for improving network resource utilization in a cellular communication system	09/134202	1998-08-14	6205336	2001-03-20
US	GRANTED	Non-Binary Viterbi Decoder Using Butterfly Operations	09/002563	1997-12-31	6115436	2000-09-05
US	GRANTED	Man machine interface help search tool	08/994042	2000-08-14	6198939	2001-03-06
US	GRANTED		09/467624	1999-12-20	6466925	2002-10-15
US	GRANTED	Device and method for telecommunication systems	09/271977	1999-03-19	6614888	2003-09-02
US	GRANTED	Systems and Methods for Fast Terminal Synchronization in a Wireless Communication System	09/718167	2000-11-22	6353645	2002-03-05
US	GRANTED	Systems and Methods for Fast Terminal Synchronization in a Wireless Communication System	09/173328	1998-10-15	6205193	2001-03-20
US	GRANTED	System and Method for Achieving Slot Synchronization in a Wideband CDMA System in the Presence of Large Initial Frequency Errors	09/294644	1999-04-19	6404758	2002-06-11
US	GRANTED	Amplitude Modulation to Phase Modulation Cancellation Method In An RF Amplifier	09/207167	1998-12-07	6295442	2001-09-25
US	GRANTED	Wireless Communication Cell Layer Evaluation Method	09/193294	1998-11-17	6188894	2001-02-13
US	GRANTED	Meta-service activating interface between a customer administrative system and database network elements of a communications network	09/119131	1998-07-20	6199066	2001-03-06
US	GRANTED	Method, apparatus and system for determining a location of a frequency synchronization signal	09/106227	1998-06-29	6356608	2002-03-12
US	GRANTED	Power Modulation Systems and Methods That Separately Amplify Low and High Frequency Portions of an Amplitude Waveform	09/312469	1999-05-17	6590940	2003-07-08

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US	GRANTED	Speaker Selection Via Call Origination Key Press for Private Mobile Radio Over Cellular mobile Station	09/361941	1999-07-27	6522894	2003-02-18
US	GRANTED	Apparatus and Methods for Providing Usage Information in Wireless Communications Systems	09/313033	1999-05-17	6493547	2002-12-10
US	GRANTED	Improved Synchronization and Cell Search Methods and Apparatus for Wireless Communications	09/271074	1999-03-17	6480558	2002-11-12
US	GRANTED	Methods for Estimating Doppler Spreads Including Autocorrelation Function Hypotheses and Related Systems and Receivers	09/373289	1999-08-12	6680969	2004-01-20
US	GRANTED	Apparatus and Methods for Receiving Information Using Variable Length Accumulation Searchers	09/408624	1999-09-30	6377615	2002-04-23
US	GRANTED	Slip-Detecting Phase Detector and Method for Improving Phase-Lock Loop Lock Time	09/432897	1999-11-02	6265902	2001-07-24
US	GRANTED	System and Method for Improving Channel Monitoring in a Cellular System	09/498772	2000-02-05	6970708	2005-11-29
US	GRANTED	Push-Pull Topology	09/361023	1999-07-23	6166927	2000-12-26
US	GRANTED	Operation and maintenance control point and method of managing a self-engineering telecommunications network (as amended)	09/138719	1998-08-24	6233449	2001-05-15
US	GRANTED	System and method of automatically conveying a wireless office system (WOS) frequency set to mobile stations	09/159930	1998-09-24	6263211	2001-07-17
US	GRANTED	High-Q Gyrtator Structures	09/726908	2000-11-30	6490706	2002-12-03
US	GRANTED	Method and Apparatus for Generating a Linearly Modulated Signal Using Polar Modulation	09/167658	1998-10-07	6101224	2000-08-08
US	GRANTED		09/579924	2000-05-26	6681009	2004-01-20
US	GRANTED	A wireless communication system that supports mobile test software agents	09/220456	1998-12-24	6434364	2002-08-13
US	GRANTED	Mobile Terminal Interface Adaptions	09/487240	2000-01-19	6615059	2003-09-02

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	System and method for providing multiple endpoints in a device disposed in a packet-switched network	09/346769	1999-07-07	6667968	2003-12-23
US	GRANTED	Multipoint Data Synchronization Protocol to Avoid Data Corruption	09/457371	1999-12-09	6393419	2002-05-21
US	GRANTED	A portable communication device, and a method for determining a power consumption thereof	09/490116	2000-01-24	6957091	2005-10-18
US	GRANTED	A Method for Synchronizing a Host Database and a Remote Database	09/499348	2000-02-08	6466951	2002-10-15
US	GRANTED	Voice Communication Between a Portable Communication Apparatus and an External Terminal	09/969371	2001-10-01	7054280	2006-05-30
US	GRANTED	Alternate Transmission of Serial Numbers in 136	09/391269	1999-09-07	6594482	2003-07-15
US	GRANTED	Method and Apparatus for Improved Performance for Headers on Persistent Flows in Mobile Radio	09/396145	1999-09-15	6608828	2003-08-19
US	GRANTED	Methods, Systems and Devices for Cascaded Communications	09/517966	2000-03-03	6622005	2003-09-16
US	GRANTED	Receiver Devices, Systems and Methods for Receiving Communication Signals Subject to Colored Noise	09/504216	2000-02-15	6674820	2004-01-06
US	GRANTED	Latch Assembly and Connector Assembly Including the Same	09/639222	2000-08-15	6238230	2001-05-29
US	GRANTED	Class-B Biased Gilbert Cells and Quadrature Modulators	09/602385	2000-06-22	6768391	2004-07-27
US	GRANTED	Apparatus for and Method of Adapting a Radio Receiver Using Control Functions	09/660050	2000-09-12	6832080	2004-12-14
US	GRANTED	Automated Radio Network Trend Detection	09/475506	1999-12-30	6487404	2002-11-26
US	GRANTED	Optimization of Uplink Power Window	09/465442	1999-12-16	6650904	2003-11-18
US	GRANTED	SYSTEM FOR REAL-TIME NOTIFICATION OF SUBSCRIBER SERVICE CHANGES USING MESSAGING SYSTEMS	09/464094	1999-12-16	6505051	2003-01-07
US	GRANTED	Mobile Station Assisted Forward Link Open Loop Power And Rate Control In CDMA System	09/481948	2000-01-12	6393276	2002-05-21



Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	VERSATILE SYSTEM FOR FUNCTIONAL DISTRIBUTION OF LOCATION REGISTERS	09/548321	2000-04-13	6691164	2004-02-10
US	GRANTED	COMBINED CDMA MULTI-SERVICE CARRIER AND TDMA/CDMA PACKET CARRIER	09/474056	1999-12-28	6879580	2005-04-12
US	GRANTED	Call Admission Control Algorithm with Dynamic Partitioning of Resources between Voice and Data Users	09/583998	2000-05-30	6975609	2005-12-13
US	GRANTED	Methods and Apparatus for Improving Adaptive Filter Performance by Inclusion of Inaudible Information	09/320659	1999-05-27	7062039	2006-06-13
US	GRANTED		09/543898	2000-04-06	6229283	2001-05-08
US	GRANTED	Flexible Rate Matching Implementation	10/500538	2002-09-18	7437655	2008-10-14
US	GRANTED	Headset	09/959468	1999-04-29	6804364	2004-10-12
US	GRANTED	Fast Decoding of Long Codes	09/732864	2000-12-11	6628634	2003-09-30
US	GRANTED	System and method for providing wireless local loop access using an access multiplexer	09/316409	1999-05-20	6452942	2002-09-17
US	GRANTED	Amplifier	09/658272	2000-09-08	6429739	2002-08-06
US	GRANTED	Transcoder rate controller	09/636578	2000-08-10	6798774	2004-09-28
US	GRANTED	Facilitating Data Transmission	10/070696	2000-08-16	7123626	2006-10-17
US	GRANTED		09/442847	1999-11-18	6408173	2002-06-18
US	GRANTED	System and method for providing access to service nodes from entities disposed in an integrated telecommunications network	09/472410	1999-12-27	6940847	2005-09-06
US	GRANTED	Method for authorization check	09/367530	1998-02-05	6556680	2003-04-29
US	GRANTED	Hierarchy of the ways of addressing messages	09/407572	1999-09-28	6377807	2002-04-23
US	GRANTED	A mobile station, a method of transmitting electronic information, and a communications system	09/746450	2000-12-21	6907063	2005-06-14
US	GRANTED	Method and arrangement in a communication network	09/692709	2000-10-19	7181614	2007-02-20
US	GRANTED	Electronics Enclosure Utilizing Thermal Insulating Ceramic Coatings	09/651926	2000-08-31	6492589	2002-12-10
US	GRANTED	Method to Enable Peer to Peer Device Communication Over Bi-Directional Serial Bus	09/696994	2000-10-26	6754198	2004-06-22

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	Receiver Architecture for Transmit Diversity in CDMA Systems	09/725632	2000-11-29	6754253	2004-06-22
US	GRANTED	Clock Synchronization in a Communications Environment	09/747052	2000-12-22	7409028	2008-08-05
US	GRANTED	Providing Timing Reference for Radio Heads	09/704927	2000-11-02	6628968	2003-09-30
US	GRANTED	System and Method to Reduce Phase Modulation Bandwidth	09/797346	2001-03-01	6621876	2003-09-16
US	GRANTED	METHOD AND APPARATUS FOR DISTRIBUTING TRAFFIC LOAD IN A WIRELESS PACKET DATA NETWORK	09/852332	2001-05-09	6925059	2005-08-02
US	GRANTED	Incoming Call Handling Method for Mobile Communications Device Incorporating Mobile Assisted Messaging on Demand	09/815475	2001-03-23	6941131	2005-09-06
US	GRANTED		09/918020	2001-07-30	7221653	2007-05-22
US	GRANTED	Method and apparatus for Channel Estimation with Transmit Diversity	09/573157	2000-05-19	6853689	2005-02-08
US	GRANTED	Improved Fractional-N Phase Locked Loop  Title has been changed by PCT	09/580119	2000-05-30	6959063	2005-10-25
US	GRANTED	A Telecommunication System	10/400666	2003-03-28	7043248	2006-05-09
US	GRANTED	Phase-Compensated Impedance Converter	09/472363	1999-12-23	6404308	2002-06-11
US	GRANTED	A method of converting the speech rate of a speech signal, use of the method, and a device adapted therefor	09/827195	2001-04-05	6763329	2004-07-13
US	GRANTED	Life cycle charging for batteries	09/722884	2000-11-28	6337560	2002-01-08
US	GRANTED	Versatile charge sampling circuits	09/672803	2000-09-28	7053673	2006-05-30
US	GRANTED	Versatile charge sampling circuits	11/099488	2005-04-06	7023245	2006-04-04
US	GRANTED	Versatile charge sampling circuits	11/099460	2005-04-06	8035421	2011-10-11
US	GRANTED	Frequency Multiplexer	09/617678	2000-07-14	6950410	2005-09-27
US	GRANTED	A pipelined microprocessor and a method relating thereto	09/965961	2001-09-27	6807621	2004-10-19
US	GRANTED	IP-based base station system cross-references to related applications	09/686502	2000-10-11	6996092	2006-02-07

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	Linear dead-band-free digital phase detection	09/580632	2000-05-30	6985551	2006-01-10
US	GRANTED	Mobile radio communication system and method for controlling such system	10/344918	2001-08-22	6917806	2005-07-12
US	GRANTED	METHODS AND APPARATUS FOR CHANNEL ESTIMATION USING PLURAL CHANNELS	09/996513	2001-11-28	7346126	2008-03-18
US	GRANTED	Method and device for generating an adapted reference for speech recognition.	09/985844	2001-11-06	6961702	2005-11-01
US	GRANTED	Method and device for generating an adapted reference for speech recognition.	09/985844	2001-11-06	6961702	2005-11-01
US	GRANTED	Modular Electronics Enclosure	09/943391	2001-08-30	6618250	2003-09-09
US	GRANTED	POWER CONTROL IN MOBILE RADIO COMMUNICATIONS SYSTEMS	10/499071	2002-12-18	7366230	2008-04-29
US	GRANTED	Transmit receive switch with high power protection	10/508466	2002-03-22	7138885	2006-11-21
US	GRANTED		10/021378	2001-12-12	7221958	2007-05-22
US	GRANTED	A means and a method relating to optimization of network operation and planning	11/100378	2002-11-06	7908209	2011-03-15
US	GRANTED	Direct Automatic Frequency Control Method and Apparatus	10/097314	2002-03-14	6856791	2005-02-15
US	GRANTED		10/267223	2002-10-09	7313110	2007-12-25
US	GRANTED	Integrated Noise Cancellation and Residual Echo Suppression	10/272095	2002-10-16	7027591	2006-04-11
US	GRANTED	Method and memory controller for scalable multi-channel memory access	10/529621	2003-09-19	7231484	2007-06-12
US	GRANTED	Radio Communications	09/743642	1999-07-05	6922551	2005-07-26
US	GRANTED	METHOD OF AND APPARATUS FOR NOISE WHITENING FILTERING	10/684598	2003-10-14	7212593	2007-05-01
US	GRANTED	IP Based Signaling Networks	10/595000	2003-06-18	7996504	2011-08-09
US	GRANTED	METHOD OF AND APPARATUS FOR SINGLE ANTENNA INTERFERENCE REJECTION THROUGH RELAXATION	10/685218	2003-10-14	7289583	2007-10-30
US	GRANTED		10/572372	2003-09-30	7580362	2009-08-25
US	GRANTED	Mixer with Feedback	10/746330	2003-12-23	7672659	2010-04-02
US	GRANTED		11/793913	2004-12-22	7933218	2011-04-26

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	On-Off Keying for Forward ACK/NAK Channels in CDMA Systems	10/769010	2004-01-30	7466666	2008-12-16
US	GRANTED	Fast Soft Value Computation Methods for Gray-Mapped QAM	10/746434	2003-12-24	7315578	2008-01-01
US	GRANTED	CHANNEL ESTIMATION BY ADAPTIVE INTERPOLATION	10/920928	2004-08-18	7433433	2008-10-07
US	GRANTED	Successive Interference Cancellation in a Generalized Rake Receiver Architecture	10/795101	2004-03-05	7339980	2008-03-04
US	GRANTED	CONTROL OF MOBILE PACKET STREAMS	10/583962	2004-02-27	8155116	2012-04-10
US	GRANTED	2011-02-11: status for BR, KR changed to filed (NPM) due to medium relevance/ecsalas	10/780633	2004-02-19	7406070	2008-07-29
US	GRANTED	ABSOLUTE TIME SYNCHRONIZATION OF NODES IN A UNIDIRECTIONAL FIBER RING	10/596852	2004-12-28	7660524	2010-02-09
US	GRANTED	A METHOD AND SYSTEM FOR REWARDING USERS OF SERVICES IN A COMMUNICATIONS SYSTEM	11/720501	2005-12-01	8385522	2013-02-26
US	GRANTED	Method and System for Determining Uplink/Downlink Path-Loss Difference	10/926742	2004-08-26	7302276	2007-11-27
US	GRANTED	CO-SEQUENCE INTERFERENCE DETECTION AND TREATMENT	11/628460	2004-06-18	8023938	2011-09-20
US	GRANTED	SYNCHRONIZATION DETECTION METHODS AND APPARATUS	10/839926	2004-05-06	7437175	2008-10-14
US	GRANTED		10/998340	2004-11-23	7289816	2007-10-30
US	GRANTED	Puncturing /Depuncturing using Compressed Differential Puncturing Pattern	10/961546	2004-10-08	7284185	2007-10-16
US	GRANTED	Method of and system for delay estimation with minimized finger allocation	11/007687	2004-12-08	7372895	2008-05-13
US	FILED	Mechanism of device to control the uniqueness and provisioning of public service identities in a multimedia network	11/573500	2005-08-10		
US	GRANTED	AN OVERVOLTAGE PROTECTOR CIRCUIT AND A DETECTOR CIRCUIT FOR SUPERVISING SUCH A PROTECTOR CIRCUIT	12/279761	2006-02-16	8035946	2011-10-11

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	METHOD OF AND SYSTEM FOR PIXEL SAMPLING  NB! PCT title has been changed /ecscane 2006-03-16	11/087269	2005-03-23	7348996	2008-03-25
US	GRANTED	METHOD IN A MOBILE TELECOMMUNICATION SYSTEM	11/575784	2004-12-22	7873362	2011-01-18
US	GRANTED	METHOD AND ARRANGEMENT FOR CHANNEL DECODING UTILIZING A PRIORI INFORMATION AND SOFT COMBINING	12/063997	2005-08-16	8155247	2012-04-10
US	GRANTED	METHOD AND APPARATUS RELATING TO POWER CONTROL	11/912238	2005-04-22	7979084	2011-07-12
US	GRANTED	Adjusting a filter of a time-continuous Sigma-Delta converter	12/097242	2006-12-02	7880652	2011-02-01
US	GRANTED	Call forwarding in an IP Multimedia Subsystem	11/915235	2005-05-27	8059633	2011-11-15
US	GRANTED	Methods to enhance Principal Referencing proposals in Identity-based scenarios	11/917084	2006-06-23	8095660	2012-01-10
US	GRANTED	Method and apparatus for distributing application server addresses in an IMS	11/995879	2005-08-15	7761600	2010-07-20
US	GRANTED	TRANSMITTER WITH INTELLIGENT PRE-CONDITIONING OF AMPLIFIER SIGNAL	11/425410	2006-06-21	7940833	2011-05-10
US	GRANTED		12/293664	2006-03-28	8446835	2013-05-21
US	GRANTED	ENHANCING COVERAGE FOR HIGH SPEED DOWNLINK PACKET ACCESS (HSDPA) CHANNEL	11/617788	2006-12-29	8422435	2013-04-16
US	GRANTED	ENHANCING COVERAGE FOR HIGH SPEED DOWNLINK PACKET ACCESS (HSDPA) CHANNEL	11/617788	2006-12-29	8422435	2013-04-16
US	FILED	A System and a Method relating to Network Management	12/514582	2006-11-14		
US	GRANTED	DMAC TO HANDLE TRANSFERS OF UNKNOWN LENGTHS  Comment from Country Agent Coats & Bennett 2007-02-20: "We have now received from the United States Patent and	11/563732	2006-11-28	7433977	2008-10-07

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
		Trademark Office an Updated Filing Receipt for the above-identified matter. Please note that I did send a Request to Correct the Filing Receipt when I sent the Response to the Notice to File Missing Parts on January 22, 2007. The Request to Correct the Filing Receipt was intended to add the word "Improved" to the title of the application as it was filed with the word "Improved" as the first word in the title on November 28, 2006. The United States Patent and Trademark Office did receive my request, but sent a response stating that word "Improved" is not to be included as the first word in title of a patent application. I just wanted to keep you informed that I did notice the discrepancy and it has been noted in the Patent Office but will not be added in the title as initially filed." /ecscane				
US	GRANTED	Methods and arrangements in a multi-tone transmission-based communication system.	12/442798	2006-09-04	8320480	2012-11-27
US	GRANTED	Method and Apparatus for Receiving Radio Frequency Signals	11/609399	2006-12-12	7599675	2009-10-06
US	FILED(ALL)	Error Recovery for Rich Media	12/305301	2007-06-25		
US	FILED	A METHOD AND APPARATUS FOR PROVIDING NETWORK RESOURCES TO CONTENT PROVIDERS	12/523732	2007-01-26		
US	GRANTED	RECEIVER PARAMETRIC COVARIANCE ESTIMATION FOR TRANSMIT DIVERSITY	11/751109	2007-05-21	7848387	2010-12-07
US	GRANTED	Method and apparatus for use in a communications network	12/524031	2007-01-24	8249562	2012-08-21
US	GRANTED	CONFIGURABLE, VARIABLE GAIN LNA FOR MULTI-BAND RF RECEIVER	11/754696	2007-05-29	7486135	2009-02-03
US	GRANTED	EFFICIENT, SECURE DIGITAL WIRELESS VOICE TELEPHONY VIA SELECTIVE ENCRYPTION	11/757679	2007-06-04	8244305	2012-08-14

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	Method and apparatus for interference suppression in a wireless communication receiver	11/767905	2007-06-25	7822101	2010-11-26
US	GRANTED	Digitally controllable on-chip resistors and methods	11/800954	2007-05-08	7602327	2009-10-13
US	GRANTED	DIVERSITY RECEIVERS AND METHODS FOR RELATIVELY DELAYED SIGNALS	12/415094	2009-03-31	8369459	2013-02-05
US	FILED		11/983866	2007-11-13		
US	GRANTED	MANAGEMENT OF PERFORMANCE DATA	13/002370	2008-07-03	8442947	2013-05-14
US	GRANTED	Method for transferring a communication session in a telecommunications network from a first connection to a second connection	13/384315	2009-07-23	8,494,527	2013-07-23
US	FILED	TECHNIQUE FOR IMPROVING CONGESTION CONTROL	12/996475	2008-06-06		
US	FILED		12/808434	2008-11-14		
US	FILED	A PoC Server and a mobile terminal comprising a PoC Client for providing PoC communication services	12/936439	2008-04-08		
US	FILED	Hybrid Program Balancing	13/148308	2009-02-04		
US	FILED	A switch mode converter and a method of starting a switch mode converter	12/997583	2009-06-05		
US	FILED		13/140223	2008-12-18		
US	FILED	A Method and Apparatus for Routing Data	13/140014	2008-12-19		
US	FILED	IP multimedia service provision	13/148085	2009-02-10		
US	GRANTED	Reducing switching noise	13/202847	2010-02-22	8582700	2013-11-12
US	FILED	Reactive authorization for publications	13/321593	2009-05-28		
US	FILED	A coded power converter system	13/517431	2009-12-21		
US	FILED(ALL)	A Coordinated Power Converter System	13/806122	2010-06-21		
US	FILED	Method and Apparatus for Limiting the Decoding Attempts for an Early Frame Termination System	12/961077	2010-12-06		
US	FILED	Method for Transmission of Calling Party Number for a Tunneled CDMA Voice Call Page Utilizing GCSNA Protocol	12/980509	2010-12-29		
US	FILED		12/948202	2010-11-17		

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US	FILED	GATEWAY ALLOCATION IN A MOBILE COMMUNICATION SYSTEM	13/979735	2011-01-20		
US	FILED	Fast Round-Trip Delay Delivery of Datagrams over a Wireless Network	12/916947	2010-11-01		
US	GRANTED		12/980542	2010-12-29	8514736	2013-08-20
US	FILED	CODE ALLOCATION FOR UPLINK MIMO	13/376744	2011-11-30		
US	FILED	PCT title: METHODS AND ARRANGEMENTS FOR HANDLING AN IDENTIFICATION OF AN AVAILABLE COVERAGE IN A CELLULAR NETWORK	PCT/SE2011/050885	2011-06-30		
US	FILED	METHODS AND ARRANGEMENTS FOR HANDLING AN IDENTIFICATION OF AN AVAILABLE COVERAGE IN A CELLULAR NETWORK	14/124056	2013-12-05		
US	GRANTED	Local SCP for a mobile integrated intelligent network	09/354717	7/16/1999	6374107	4/16/2002
US	GRANTED		12/376401	6/1/2007	8280374	10/2/2012
US	FILED		13/512357	11/30/2009		
US	GRANTED		12/869317	8/26/2010	8483735	7/9/2013
US	FILED	METHOD AND BASE STATION IN A TELECOMMUNICATION SYSTEM	13/634491	5/3/2012		

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Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	Modulation method and radio communication system	10/256202	9/27/2002	7233630	6/19/2007
US	GRANTED	Modulation method and radio communication system	11/054960	2/11/2005	7289577	10/30/2007
US	GRANTED	Modulation method and radio communication system	12/764512	4/21/2010	RE43338	4/22/2008
US	FILED	Modulation method and radio communication system	13/916324	6/12/2013		
US	GRANTED	Pilot signal transmission technique and digital communication system using same	09/292398	4/15/1999	6608843	8/19/2003
US	GRANTED	Modulator, demodulator, and transmission system for use in OFDM transmission	09/317961	5/25/1999	6618352	9/9/2003
US	GRANTED	Modulator, demodulator, and	10/614291	7/8/2003	6944122	9/13/2005



Country	Status	Title	App No.	App Date	Patent No.	Patent Date
		transmission system for use in OFDM transmission				
US	GRANTED	OFDM communication apparatus	09/520015	3/6/2000	6625111	9/23/2003
US	GRANTED	Motion vector coding method and motion vector decoding method	12/691195	1/21/2010	8290048	10/16/2012
US	GRANTED	Communication method and radio communication apparatus	10/486896	2/17/2004	7974371	7/5/2011
US	GRANTED	Communication method and radio communication apparatus	13/153731	6/6/2011	8428182	4/23/2013
US	FILED	Communication method and radio communication apparatus	13/839910	3/15/2013		
US	GRANTED	Variable length coding method and variable length decoding method	11/976549	10/25/2007	8098736	1/17/2012
US	GRANTED	Variable length coding method and variable length decoding method	12/710731	2/23/2010	7970059	6/28/2011
US	GRANTED	Method and apparatus for intermittent communication	10/517521	1/9/2006	7916674	3/29/2011
US	GRANTED	Method and apparatus for intermittent communication	13/030938	2/18/2011	8559347	10/15/2013
US	GRANTED	Picture coding method and picture decoding method	11/976551	10/25/2007	8139878	3/20/2012
US	GRANTED	Picture coding method and picture decoding method	11/976758	10/26/2007	7769238	8/3/2010
US	GRANTED	Picture coding method and picture decoding method	12/240379	9/29/2008	8290286	10/16/2012
US	GRANTED	Communication method, transmitting device using the same, and receiving device using the same	10/516937	12/14/2004	7570626	8/4/2009
US	GRANTED	Communication method, transmitting device using the same, and receiving device using the same	12/417284	4/2/2009	7787432	8/31/2010
US	GRANTED	Communication method, transmitting device using the same, and receiving device using the same	12/541400	8/14/2009	7907587	3/15/2011
US	GRANTED	Communication method, transmitting device using the same, and receiving device using the same	12/842398	7/23/2010	8023488	9/20/2011
US	GRANTED	Communication method, transmitting device using the same, and receiving device using the same	13/010146	1/20/2011	8089945	1/3/2012
US	GRANTED	Communication method, transmitting device using the same, and receiving device using the same	13/010150	1/20/2011	8175070	5/8/2012
US	GRANTED	Communication method, transmitting device using the same, and receiving device using the same	13/433577	3/29/2012	8400996	3/19/2013
US	FILED	Communication method, transmitting device using the same, and receiving device using the same	13/770199	2/19/2013		
US	GRANTED	Radio communication apparatus and radio communication method	10/540401	6/23/2005	8254335	8/28/2012
US	GRANTED	Radio communication apparatus and radio communication method	12/341306	12/22/2008	8369285	2/5/2013

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	FILED	Radio communication apparatus and radio communication method	13/733744	1/3/2013		
US	GRANTED	Method and apparatus for controlling a transport format of a retransmission	10/594496	9/28/2006	7783949	8/24/2010
US	GRANTED	Method and apparatus for controlling a transport format of a retransmission	12/835696	7/13/2010	7979770	7/12/2011
US	GRANTED	Method and apparatus for controlling a transport format of a retransmission	13/154163	6/6/2011		
US	FILED	Method and apparatus for controlling a transport format of a retransmission	13/849082	3/22/2013		
US	GRANTED	Method and apparatus for multicarrier communication	10/559472	1/31/2006	7817729	10/19/2010
US	GRANTED	Method and apparatus for multicarrier communication	12/901220	10/8/2010	8208569	6/26/2012
US	GRANTED	Random access method and radio communication terminal device	10/591712	9/6/2006	7873000	1/18/2011
US	GRANTED	Random access method and radio communication terminal device	12/965641	12/10/2010	8000295	8/16/2011
US	FILED	Random access method and radio communication terminal device	13/158014	6/10/2011		
US	GRANTED	Wireless transmission method, and communication terminal apparatus, for accessing a random access channel	11/632208	1/11/2007	7809371	10/5/2010
US	GRANTED	Wireless transmission method, and communication terminal apparatus, for accessing a random access channel	12/847791	7/30/2010	7974623	7/5/2011
US	GRANTED	Wireless transmission method, and communication terminal apparatus, for accessing a random access channel	13/116741	5/26/2011	8351936	1/8/2013
US	GRANTED	Method and apparatus for packet segmentation and concatenation signaling in a communication system	12/067115	9/4/2008	8102880	1/24/2012
US	GRANTED	Method and apparatus for packet segmentation and concatenation signaling in a communication system	13/328890	12/16/2011	8494003	7/23/2013
US	FILED	Method and apparatus for packet segmentation and concatenation signaling in a communication system	13/924399	6/21/2013		
US	GRANTED	Mobile station device	11/997710	2/5/2009	8139662	3/20/2012
US	GRANTED	Mobile station device	13/160872	6/15/2011	8155227	4/10/2012
US	GRANTED	Transmission and reception of broadcast system information in a mobile communication system	12/094267	5/19/2008	8412211	4/2/2013
US	FILED	Transmission and reception of broadcast system information in a mobile communication system	13/786098	3/5/2013		
US	GRANTED	Radio communication apparatus and radio communication method	12/297617	10/17/2008	7940851	5/10/2011
US	GRANTED	Radio communication apparatus and radio communication method	13/075042	3/29/2011	8130861	3/6/2012
US	GRANTED	Radio communication apparatus and radio communication	13/356306	1/23/2012	8526527	9/3/2013

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
		method				
US	GRANTED	MIMO-OFDM transmission device and MIMO- OFDM transmission method	11/577791	4/23/2007	7826555	11/2/2010
US	GRANTED	MIMO-OFDM transmission device and MIMO- OFDM transmission method	12/840024	7/20/2010	8005165	8/23/2011
US	GRANTED	MIMO-OFDM transmission device and MIMO- OFDM transmission method	13/171121	6/28/2011	8284866	10/9/2012
US	GRANTED	MIMO-OFDM transmission device and MIMO- OFDM transmission method	13/604531	9/5/2012		
US	FILED	MIMO-OFDM transmission device and MIMO- OFDM transmission method	14/067737	10/30/2013		
US	GRANTED	Radio communication mobile station apparatus and radio communication method	12/293530	9/18/2008	8139473	3/20/2012
US	GRANTED	Radio communication mobile station apparatus and radio communication method	13/333805	12/21/2011	8411557	4/2/2013
US	FILED	Radio communication mobile station apparatus and radio communication method	13/781142	2/28/2013		
US	GRANTED	Control channel signaling using a common signaling field for transport format and redundancy version	12/809423	8/16/2010	8385284	2/26/2013
US	FILED	Control channel signaling using a common signaling field for transport format and redundancy version	13/744244	1/17/2013		
US	GRANTED	Radio communication base station device and control channel arrangement method	12/532352	9/21/2009	7941153	5/10/2011
US	GRANTED	Radio communication base station device and control channel arrangement method	12/983770	1/3/2011	8064919	11/22/2011
US	GRANTED	Radio communication base station device and control channel arrangement method	13/271942	10/12/2011	8200237	6/12/2012
US	FILED	Radio communication base station device and control channel arrangement method	13/470106	5/11/2012		
US	GRANTED	Wireless communication apparatus and response signal spreading method	12/593904	9/29/2009	8009721	8/30/2011
US	GRANTED	Wireless communication apparatus and response signal spreading method	12/845361	7/28/2010	7848299	12/7/2010
US	GRANTED	Wireless communication apparatus and response signal spreading method	13/165538	6/21/2011	8179947	5/15/2012
US	GRANTED	Wireless communication apparatus and response signal spreading method	13/280190	10/24/2011	8199792	6/12/2012
US	GRANTED	Wireless communication apparatus and response signal spreading method	13/301643	11/21/2011	8311079	11/13/2012
US	FILED	Wireless communication apparatus and response signal spreading method	13/648976	10/10/2012		
US	GRANTED	Radio communication device and response signal diffusion method	12/600835	11/18/2009	7965760	6/21/2011
US	GRANTED	Radio communication device and response signal diffusion	12/850988	8/5/2010	8121175	2/21/2012

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
		method				
US	GRANTED	Radio communication device and response signal diffusion method	13/349435	1/12/2012	8275021	9/25/2012
US	GRANTED	Radio communication device and response signal diffusion method	13/571207	8/9/2012	8467432	6/18/2013
US	FILED	Radio communication device and response signal diffusion method	13/860398	4/10/2013		
US	GRANTED	Radio communication device and constellation control method	12/740509	4/29/2010	8259781	9/4/2012
US	GRANTED	Radio communication device and constellation control method	13/525103	6/15/2012	8363698	1/29/2013
US	GRANTED	Radio communication device and constellation control method	13/525109	6/15/2012	8369382	2/5/2013
US	FILED	Radio communication device and constellation control method	13/732915	1/2/2013		
US	GRANTED	Communication terminal and base station communication method using MAC control information priorities and SRB priorities	12/865674	7/30/2010	8396081	3/12/2013
US	FILED	Communication terminal and base station communication method using MAC control information priorities and SRB priorities	13/722742	12/20/2012		
US	GRANTED	Service in wlan inter-working, address management system, and method	10/541447	4/7/2006	7610038	10/27/2009
US	GRANTED	Service in wlan inter-working, address management system, and method	12/559468	9/14/2009	8081971	12/20/2011
US	GRANTED	Service in wlan inter-working, address management system, and method	13/292874	11/9/2011	8374580	2/12/2013
US	FILED	Service in wlan inter-working, address management system, and method	13/737366	1/9/2013		

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	Radio communication system, communication terminal apparatus, base station apparatus, and radio communication equalizing method	09/856872	5/29/2001	6609011	8/19/2003
US	GRANTED	Radio base station apparatus and radio communication method	10/069396	2/26/2002	7133698	11/7/2006
US	GRANTED	Diversity receiver	10/140889	5/9/2002	6922453	7/26/2005
US	GRANTED	Radio communication apparatus and radio communication method	10/450566	6/16/2003	7839759	11/23/2010
US	GRANTED	Method for encoding sound source of probabilistic code book	10/531417	6/2/2005	7577566	8/18/2009
US	GRANTED	OFDM signal collision position detection apparatus and OFDM reception device	10/542772	7/20/2005	7626919	12/1/2009

Country	Status	Title	App No.	App Date	Patent No.	Patent Date
US	GRANTED	OFDM signal collision position detection apparatus and OFDM reception device	12/573812	10/5/2009	8000226	8/16/2011
US	GRANTED	Method and scheduler for performing a scheduling algorithm with minimum resource parameter	10/594566	10/1/2007	8028287	9/27/2011
US	GRANTED	Transmitting/receiving apparatus and transmitting/receiving method	10/587166	7/26/2006	7668510	2/23/2010
US	GRANTED	Transmission apparatus and transmission method	10/573688	3/27/2006	7672394	3/2/2010
US	GRANTED	Inter-station transmission method, radio base station monitoring method, and device using the method	10/575533	4/10/2006	7773568	8/10/2010
US	GRANTED	Reception quality notifying method, wireless communication terminal apparatus, and base station apparatus	10/591709	9/6/2006	7881389	2/1/2011
US	GRANTED	Radio transmitter apparatus, radio receiver apparatus, and wireless communication system	11/579860	11/8/2006	7715497	5/11/2010
US	GRANTED	Radio transmitter apparatus, radio receiver apparatus, and wireless communication system	12/551126	8/31/2009	8149949	4/3/2012
US	GRANTED	Wireless transmission device, wireless reception device, and symbol arranging method	11/630142	12/20/2006	7852903	12/14/2010
US	GRANTED	Wireless transmission device, wireless reception device, and symbol arranging method	12/941804	11/8/2010	8223894	7/17/2012
US	GRANTED	Multi-carrier transmission device and multi-carrier transmission method	11/631503	1/4/2007	7778369	8/17/2010
US	GRANTED	Multi-carrier transmission device and multi-carrier transmission method	12/831926	7/7/2010	8249181	8/21/2012
US	GRANTED	Data reception device	10/580467	5/25/2006	7561582	7/14/2009
US	GRANTED	Radio transmission device and radio transmission method in multi-carrier communication	11/632224	1/11/2007	7782965	8/24/2010
US	GRANTED	Radio communication apparatus and radio communication method	11/576133	3/27/2007	8073061	12/6/2011
US	GRANTED	Signal space expansion for a 16 QAM scheme	11/913275	10/31/2007	7920636	4/5/2011
US	GRANTED	Signal space expansion for a 16 QAM scheme	13/036924	2/28/2011	8160170	4/17/2012
US	GRANTED	Wireless communication apparatus and data multiplexing method	11/720732	6/1/2007	7817744	10/19/2010

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US	GRANTED	Quasi-pilot symbol substitution	11/817398	8/29/2007	8160175	4/17/2012
US	GRANTED	Inter-domain context transfer using context transfer managers	11/817490	11/15/2007	7890577	2/15/2011
US	FILED	Inter-domain context transfer using context transfer managers	13/008818	1/18/2011		
US	GRANTED	Radio transmitting apparatus, radio receiving apparatus, radio transmitting method and radio receiving method	11/722848	6/26/2007	7764712	7/27/2010
US	GRANTED	OFDM communication apparatus and OFDM communication method	11/722827	6/26/2007	7856064	12/21/2010
US	GRANTED	Sound encoding device and sound encoding method	11/577638	4/20/2007	8326606	12/4/2012
US	GRANTED	Radio transmission device, radio reception device, radio transmission method, and radio reception method	12/066781	3/13/2008	7839763	11/23/2010
US	GRANTED	Fixed code book search device and fixed code book search method	12/096424	6/6/2008	8352254	1/8/2013
US	GRANTED	Radio communication device and CQI generation method	12/306485	12/23/2008	7864698	1/4/2011
US	GRANTED	Radio communication base station device and control channel MCS control method	12/521296	6/25/2009	8416737	4/9/2013
US	GRANTED	Encoding device, decoding device, and method thereof	12/740727	4/30/2010	8352249	1/8/2013
US	GRANTED	Stereo sound decoding apparatus, stereo sound encoding apparatus and lost-frame compensating method	12/810332	6/24/2010	8359196	1/22/2013
US	FILED	RADIO COMMUNICATION BASE STATION DEVICE, RADIO COMMUNICATION MOBILE STATION DEVICE, AND CONTROL CHANNEL ALLOCATION METHOD	12/811050	6/28/2010		
US	FILED	INFORMATION EXCHANGE BETWEEN GATEWAYS FOR ROUTE OPTIMIZATION WITH NETWORK-BASED MOBILITY MANAGEMENT	12/919993	11/1/2010		

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US	FILED	ROUTE OPTIMIZATION OF A DATA PATH BETWEEN COMMUNICATING NODES USING A ROUTE OPTIMIZATION AGENT	13/262907	10/4/2011		
US	FILED	WIRELESS COMMUNICATION BASE STATION DEVICE AND TOTAL TRANSMISSION POWER REGULATING METHOD	13/128852	5/11/2011		
US	FILED	TERMINAL APPARATUS AND RETRANSMISSION CONTROL METHOD	13/258095	9/21/2011		
US	GRANTED	Receiving apparatus for spectrum spread system	08/824833	3/26/1997	5822364	10/13/1998
US	GRANTED	Arithmetic apparatus for use in Viterbi decoding	08/949866	10/14/1997	5970097	10/19/1999
US	GRANTED	Transmission/reception apparatus and transmission/reception method	09/264855	3/9/1999	6704345	3/9/2004
US	GRANTED	Processor and processing method	09/147663	6/29/1998	6330684	12/11/2001
US	GRANTED	Processor and processing method	09/974807	10/12/2001	6477661	11/5/2002
US	GRANTED	Processor and processing method	10/252394	9/24/2002	6735714	5/11/2004
US	GRANTED	Processor and processing method	10/748242	12/31/2003	7139968	11/21/2006
US	GRANTED	Processor and processing method	11/022811	12/28/2004	7325184	1/29/2008
US	GRANTED	Apparatus and method for selecting a transmit power value from multiple calculated power levels	09/674293	10/30/2000	6697634	2/24/2004
US	GRANTED	Operation processing apparatus and operation processing method	09/449831	11/26/1999	6523146	2/18/2003
US	GRANTED	Operation processing apparatus and operation processing method	10/305946	11/29/2002	6697994	2/24/2004
US	GRANTED	Communication device and communication method	09/573325	5/18/2000	6564040	5/13/2003
US	GRANTED	CDMA base station apparatus and code assignment method	09/391092	9/16/1999	6580703	6/17/2003
US	GRANTED	Mobile station apparatus and base station apparatus	09/384190	8/27/1999	6614770	9/2/2003
US	GRANTED	Radio selective-paging system and display method therefor	09/545069	4/7/2000	6778069	8/17/2004
US	GRANTED	Transmission/reception apparatus and modulation system estimation method	09/566984	5/9/2000	6879626	4/12/2005

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US	GRANTED	Mobile communication system and repeater used in the mobile communication system	09/701337	11/28/2000	6804491	10/12/2004
US	GRANTED	Electronic appliance and operation control method thereof	09/535301	3/24/2000	6654002	11/25/2003
US	GRANTED	Display and video producing apparatus, and displaying method and video producing method	09/869279	6/27/2001	6906756	6/14/2005
US	GRANTED	Communication terminal apparatus, base station, and method of radio communication	09/701309	3/26/2001	6938195	8/30/2005
US	GRANTED	Apparatus and method for interference suppression transmission	09/913608	8/16/2001	7133642	11/7/2006
US	GRANTED	Supervisory system and method	09/563838	5/4/2000	6580898	6/17/2003
US	GRANTED	Environmental noise level estimation apparatus, a communication apparatus, a data terminal apparatus, and a method of estimating an environmental noise level	09/599993	6/23/2000	7139393	11/21/2006
US	GRANTED	Analog multiplying circuit and variable gain amplifying circuit	09/867354	5/29/2001	6437631	8/20/2002
US	GRANTED	Folding portable telephone apparatus	09/706080	11/3/2000	6782281	8/24/2004
US	GRANTED	Folding portable telephone apparatus	10/683308	10/10/2003	7013168	3/14/2006
US	GRANTED	Printed circuit board holding structure	09/980239	1/28/2002	6809933	10/26/2004
US	GRANTED	Method of modulating a data signal with modulation switching between direct and differential modulation and apparatus for modulation	10/214455	8/8/2002	7095797	8/22/2006
US	GRANTED	Communication terminal apparatus, base station apparatus and communication method	10/203103	8/6/2002	7072682	7/4/2006
US	GRANTED	Backup gateway apparatus and home network system	10/062445	2/5/2002	6928576	8/9/2005
US	GRANTED	Camera-equipped cellular telephone	10/399597	4/17/2003	7271845	9/18/2007
US	GRANTED	Data transmission apparatus and data transmission method	10/380506	3/14/2003	7415000	8/19/2008
US	GRANTED	Radio transmission apparatus and radio communication method	10/451658	6/25/2003	7130592	10/31/2006
US	GRANTED	Apparatus and method for efficient storage of data streams that each comprise separately transmitted data blocks	10/476012	10/27/2003	7117317	10/3/2006
US	GRANTED	Reception apparatus and reception method	10/477142	11/7/2003	7174493	2/6/2007



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US	GRANTED	ADSL modem apparatus and ADSL modem communication method	10/423933	4/28/2003	7305001	12/4/2007
US	GRANTED	Multi-carrier transmitting apparatus and multi-carrier transmitting method	10/530368	4/6/2005	7529315	5/5/2009
US	GRANTED	Method of generating spreading codes, CDMA transmission apparatus, and CDMA reception apparatus	10/563248	1/4/2006	7916770	3/29/2011
US	GRANTED	Decoding device and decoding method	10/563559	2/3/2006	7539256	5/26/2009
US	GRANTED	Content distributing system and content distributing method	11/578356	11/3/2006	7764636	7/27/2010
US	GRANTED	Programmable logic circuit	10/589078	6/18/2007	7365566	4/29/2008