

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT																																
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<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Magnolia Broadband, Inc.</td> <td>03/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Magnolia Broadband, Inc.	03/30/2012																												
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<table border="1"> <tr> <td>Name:</td> <td>Google Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1600 Amphitheatre Parkway</td> </tr> <tr> <td>City:</td> <td>Mountain View</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94043</td> </tr> </table>		Name:	Google Inc.	Street Address:	1600 Amphitheatre Parkway	City:	Mountain View	State/Country:	CALIFORNIA	Postal Code:	94043																						
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PROPERTY NUMBERS Total: 89																																	
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Application Number:	61505872
Application Number:	61515521
Application Number:	61526576

	61547323
Application Number:	61553698
Application Number:	61597015
Application Number:	61599157

CORRESPONDENCE DATA

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 Correspondent Name: Allen I. Rubenstein
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 Address Line 2: 270 Madison Avenue
 Address Line 4: New York, NEW YORK 10016

ATTORNEY DOCKET NUMBER:	8233-0042US
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NAME OF SUBMITTER:	Allen I. Rubenstein
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Total Attachments: 14
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ASSIGNMENT OF PATENT RIGHTS

THIS ASSIGNMENT OF PATENT RIGHTS (the "**Assignment**") is executed, acknowledged and delivered by Magnolia Broadband, Inc., a Delaware company, with its principal place of business at 10 Independence Blvd Suite 130 Warren, NJ 07059 ("**Assignor**"), in accordance with, and pursuant to the terms and conditions of the Patent Purchase Agreement having an Effective Date of March 15, 2012 (the "**Agreement**") between Assignor, as Seller and Google Inc., a Delaware company, with its principal place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("**Assignee**"). Capitalized terms used herein and not expressly defined shall have the meaning ascribed to such terms in the Agreement.

"**Listed Patents**" means the provisional patent applications, patent applications, and patents listed in **Exhibit A**.

"**Patents**" means, all (a) Listed Patents; (b) patents or patent applications (i) to which any of the Listed Patents claims priority, (ii) for which any of the Listed Patents forms a basis for priority, (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Listed Patents, and/or (iv) which are subject to a terminal disclaimer with any of the Listed Patents; (c) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any item in any of the foregoing categories (a) and (b); and (d) national (of any country of origin) and multinational patents, patent applications and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention and utility models.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor agrees to and does hereby irrevocably sell, assign, transfer and convey unto said Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest (i) in and to the Patents, the same to be held and enjoyed by said Assignee for its own use, and for the use of its successors, assigns, or other legal representatives to the end of the term or terms for which said Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made; (ii) in and to causes of action and enforcement rights for the Patents including all rights to pursue damages, injunctive relief and other remedies for past and future infringement of the Patents; and (iii) to apply in any and all countries for the world for patents; certificates of invention or other governmental grants for the Patents. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Patents in the name of Assignee, as the assignee to the entire interest therein.

Notwithstanding anything to the contrary herein, Assignor is executing and delivering this Assignment in accordance with and subject to all of the terms and provisions of the Agreement. In the event of any conflict between the terms of this Assignment and those of the Agreement, the terms of the Agreement shall be controlling.

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

Assignment Of Patent Rights Pursuant to Patent Purchase Agreement of March 15,
2012

This Assignment shall be governed by, and construed in accordance with, the laws of the United States in respect to patent issues and in all other respects by the laws of the State of New York, without giving effect to the conflict of laws rules thereof.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed as of this 30th day of March 2012.

ASSIGNOR:

Magnolia Broadband, Inc.

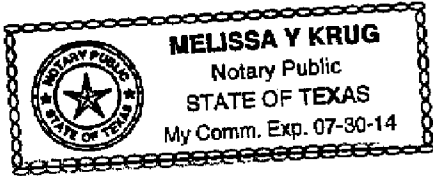
By: [Signature]

Name: Osmo Hautanen

Title: CEO

NOTARIZATION MUST BE ON THIS PAGE

Subscribed and sworn to before me this 30th day of March, 2012.



(Notarial Seal)

Signature:

[Signature]

Notary Public

PATENT

REEL: 028251 FRAME: 0861

Exhibit A

PCZL Ref No.	Short Title	Country	Application Date	Application No.	Registration Date	Registration No.
P-9213-US	HYBRID ARQ	United States	26-Oct-07	11/976,722	24-May-11	7,949,069
P-9213-USP	HYBRID ARQ	United States	26-Oct-06	60/854,430		
P-9215-EP	VIRTUAL DIVERSITY CONTROL PARAMETERS	EPO	05-Dec-07	07853237.1		
P-9215-PC	VIRTUAL DIVERSITY CONTROL PARAMETERS	PCT	05-Dec-07	PCT/US07/24850		
P-9215-US	VIRTUAL DIVERSITY CONTROL PARAMETERS	United States	12-Dec-06	11/637,148		
P-9234-EP	TRANSMIT DIVERSITY CONTROL	EPO	05-Nov-07	07861694.3		
P-9234-PC	TRANSMIT DIVERSITY CONTROL	PCT	05-Nov-07	PCT/US07/23231		
P-9234-US	TRANSMIT DIVERSITY CONTROL	United States	06-Nov-06	11/592,969		
P-9234-US1	TRANSMIT DIVERSITY CONTROL	United States	26-Mar-12	13/430,400		
P-9235-PC	VECTOR MODULATOR TECHNOLOGIES	PCT	25-Feb-08	PCT/US08/02403		
P-9235-US	VECTOR MODULATOR TECHNOLOGIES	United States	28-Feb-07	11/711,643	11-Jan-11	7,869,535
P-9236-US	MODIFIED WINDOW	United States	27-Dec-06	11/645,534	27-Sep-11	8,027,374
P-9244-PC	ADAPTIVELY COMBINING	PCT	18-Dec-03	PCT/US2003/040485		

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PCZL Ref No.	Short Title	Country	Application Date	Application No.	Registration Date	Registration No.
	SIGNALS					
P-9244-US	ADAPTIVELY COMBINING SIGNALS	United States	30-Dec-02	10/334,205	27-Feb-07	7,184,500
P-9245-PC	SMART ANTENNA BASED SPECTRUM MULTIPLEXING USING EX	PCT	25-Apr-02	PCT/US2002/012978		
P-9245-US	MULTIPLEXING USING A PILOT SIGNAL	United States	26-Feb-02	10/082,351		
P-9247-BR	ANTENNA USING A QUALITY-INDICATION SIGNAL	Brazil	09-May-02	PI0210131-9		
P-9247-CA	ANTENNA USING A QUALITY-INDICATION SIGNAL	Canada	09-May-02	2,447,777		
P-9247-CN	ANTENNA USING A QUALITY-INDICATION SIGNAL	China	09-May-02	02813518.0		
P-9247-DE	ANTENNA USING A QUALITY-INDICATION SIGNAL	Germany	09-May-02	60230981.6-08	21-Jan-09	1391059
P-9247-EP	ANTENNA USING A QUALITY-INDICATION SIGNAL	EPO	09-May-02	02725954.8	21-Jan-09	1391059
P-9247-FI	ANTENNA USING A QUALITY-INDICATION SIGNAL	Finland	09-May-02	02725954.8	21-Jan-09	1391059

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P-9247-FR	ANTENNA USING A QUALITY-INDICATION SIGNAL	France	09-May-02	02725954.8	21-Jan-09	1391059
P-9247-GB	ANTENNA USING A QUALITY-INDICATION SIGNAL	United Kingdom	09-May-02	02725954.8	21-Jan-09	1391059
P-9247-IL	ANTENNA USING A QUALITY-INDICATION SIGNAL	Israel	09-May-02	158986	23-Dec-09	158986
P-9247-IN	ANTENNA USING A QUALITY-INDICATION SIGNAL	India	09-May-02	2005/DELNP/2003	31-Mar-08	218315
P-9247-JP	ANTENNA USING A QUALITY-INDICATION SIGNAL	Japan	09-May-02	2003-501851	19-Jun-09	4328200
P-9247-KR	ANTENNA USING A QUALITY-INDICATION SIGNAL	Korea (South)	09-May-02	10-2003-7015641	15-Sep-06	10-0627196
P-9247-PC	ANTENNA USING A QUALITY-INDICATION SIGNAL	PCT	09-May-02	PCT/US2002/014437		
P-9247-SE	ANTENNA USING A QUALITY-INDICATION SIGNAL	Sweden	09-May-02	02725954.8	21-Jan-09	1391059
P-9247-SG	ANTENNA USING A QUALITY-INDICATION SIGNAL	Singapore	09-May-02	200306955-6	28-Feb-06	101098

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P-9247-US	ANTENNA USING A QUALITY-INDICATION SIGNAL	United States	09-May-02	10/141,342	22-Jan-08	7,321,636
P-9247-US1	ANTENNA USING A QUALITY-INDICATION SIGNAL	United States	28-Feb-07	11/711,630	05-Feb-08	7,327,801
P-9247-US2	ANTENNA USING A QUALITY-INDICATION SIGNAL	United States	28-Jan-08	12/010,655	07-Sep-10	7,792,207
P-9249-US	MULTIPLEXING (OFDM) MODULATIONS	United States	25-Apr-02	10/131,612	05-Dec-06	7,145,959
P-9250-PC	DIVERSITY SIGNALS USING A DELAY	PCT	30-Oct-03	PCT/US2003/034461		
P-9250-US	DIVERSITY SIGNALS USING A DELAY	United States	30-Oct-03	10/696,988	17-Mar-09	7,505,741
P-9251-US	MOBILE DEVICE USING PHASE ADJUSTMENTS	United States	14-Apr-04	10/824,179	26-Aug-08	7,418,067
P-9252-US	SIGNALS USING POWER AMPLIFIERS	United States	28-Oct-03	10/695,226	12-Dec-06	7,149,483
P-9254-EP	ADJUSTING A SIGNAL AT A DIVERSITY SYSTEM	EPO	15-Dec-04	04814189.9		
P-9254-PC	ADJUSTING A SIGNAL AT A DIVERSITY SYSTEM	PCT	15-Dec-04	PCT/US2004/41976		
P-9254-US	ADJUSTING A SIGNAL AT A DIVERSITY SYSTEM	United States	16-Dec-03	10/737,012	30-Sep-08	7,430,430
P-9255-EP	MULTIPLE ANTENNA ELEMENTS	EPO	20-Jan-05	05711710.3		
P-9255-PC	MULTIPLE ANTENNA ELEMENTS	PCT	20-Jan-05	PCT/US05/01815		
P-9255-US	MULTIPLE ANTENNA ELEMENTS	United States	26-Jan-04	10/766,244	18-Sep-07	7,272,359

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PCZL Ref No.	Short Title	Country	Application Date	Application No.	Registration Date	Registration No.
P-9258-PC	INDICATOR	PCT	27-Oct-05	PCT/US2005/039164		
P-9258-US	INDICATOR	United States	04-Nov-04	10/983,292	07-Apr-09	7,515,877
P-9259-PC	POWER CONTROL GROUP BOUNDARY	PCT	11-Oct-05	PCT/US2005/036545		
P-9259-US	POWER CONTROL GROUP BOUNDARY	United States	12-Oct-04	10/963,046	07-Jul-09	7,558,591
P-9260-US	QUALITY INDICATOR AVAILABILITY	United States	23-Jun-05	11/159,646	24-Aug-10	7,783,267
P-9262-EP	DETERMINING A PHASE ADJUSTMENT	EPO	15-May-06	06759841.7		
P-9262-PC	DETERMINING A PHASE ADJUSTMENT	PCT	15-May-06	PCT/US2006/018734		
P-9262-US	DETERMINING A PHASE ADJUSTMENT	United States	24-May-05	11/136,020	10-Nov-09	7,616,930
P-9264-PC	DIVERSITY PARAMETER ADJUSTMENT	PCT	31-Oct-06	PCT/US06/42471		
P-9264-US	DIVERSITY PARAMETER ADJUSTMENT	United States	02-Nov-05	11/265,334	14-Sep-10	7,796,717
P-9265-EP	ADJUSTING THE PHASE AND AMPLITUDE	EPO	17-May-06	06760087.4		
P-9265-PC	ADJUSTING THE PHASE AND AMPLITUDE	PCT	17-May-06	PCT/US2006/019228		
P-9265-US	ADJUSTING THE PHASE AND AMPLITUDE	United States	24-May-05	11/136,017		
P-9266-EP	FRACTIONAL POWER AMPLIFIER	EPO	02-Nov-06	06827452.1		
P-9266-IN	FRACTIONAL POWER AMPLIFIER	India	02-Nov-06	4067/DELNP/2008		

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P-9266-PC	FRACTIONAL POWER AMPLIFIER	PCT	02-Nov-06	PCT/US06/42957		
P-9266-US	FRACTIONAL POWER AMPLIFIER	United States	03-Nov-05	11/268,260	21-Jun-11	7,965,987
P-9266-US1	FRACTIONAL POWER AMPLIFIER	United States	17-Nov-08	12/278,994		
P-9266-US2	AMPLIFYING TRANSMIT SIGNAL FRACTIONAL AMPLIFIER	United States	11-Aug-08	12/189,487		
P-9266-US4	FRACTIONAL POWER AMPLIFIER	United States	01-Jul-11	13/175,379		
P-9266-USP	FRACTIONAL POWER AMPLIFIER	United States	31-May-06	60/803,525		
P-9267-US	CALCULATING A DIVERSITY PARAMETER	United States	15-Sep-05	11/228,428	16-Nov-10	7,835,702
P-9268-US	ESTABLISHING SLOT BOUNDARIES	United States	25-Oct-05	11/258,937	08-Dec-09	7,630,445
P-9269-US	ESTABLISHING FRAME TIMING OF FRAMES OF A DIVERSITY	United States	25-Oct-05	11/259,433		
P-9270-PC	SCAN OF DIVERSITY PARAMETER DIFFERENCES	PCT	06-Oct-06	PCT/US2006/039400		
P-9270-US	SCAN OF DIVERSITY PARAMETER DIFFERENCES	United States	10-Oct-05	11/247,534	29-Jun-10	7,746,946
P-9271-US	DIVERSITY COMMUNICATION DEVICE	United States	18-Nov-05	11/283,250	15-Dec-09	7,633,905
P-9271-US1	DIVERSITY COMMUNICATION DEVICE	United States	15-Jun-06	11/424,257	08-Feb-11	7,885,618
P-9271-USP	DIVERSITY COMMUNICATION DEVICE	United States	02-Sep-05	60/713,976		
P-9417-US	ANTENNA WEIGHTING	United States	26-Dec-07	12/003,509	16-Feb-10	7,663,545
P-9417-US1	ANTENNA WEIGHTING	United States	16-Feb-10	12/706,583	30-Aug-11	8,009,096
P-9417-USP	ANTENNA WEIGHTING	United States	26-Dec-06	60/876,986		

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P-9461-US	POWER CONTROL USING REVERSE RATE INDICATION	United States	31-Dec-07	12/003,781		
P-9461-USP	POWER CONTROL USING REVERSE RATE INDICATION	United States	29-Dec-06	60/877,664		
P-9616-US	MOBILITY PATENT	United States	01-Mar-07	11/712,569	02-Aug-11	7,991,365
P-9644-US	APPLICATIONS OF IDENTIFICATION	United States	28-Feb-08	12/038,937		
P-9644-USP	APPLICATIONS OF IDENTIFICATION	United States	01-Mar-07	60/904,198		
P-9669-DE	DEDICATED RECEIVER FEEDBACK	Germany	14-Mar-08	602008006877.3-08	11-May-11	2143213
P-9669-EP	DEDICATED RECEIVER FEEDBACK	EPO	14-Mar-08	08743925.3	11-May-11	2143213
P-9669-FR	DEDICATED RECEIVER FEEDBACK	France	14-Mar-08	08743925.3	11-May-11	2143213
P-9669-GB	DEDICATED RECEIVER FEEDBACK	United Kingdom	14-Mar-08	08743925.3	11-May-11	2143213
P-9669-PC	DEDICATED RECEIVER FEEDBACK	PCT	14-Mar-08	PCT/US08/57090		
P-9669-US	DEDICATED RECEIVER FEEDBACK	United States	14-Mar-08	12/048,832	17-May-11	7,945,222
P-9669-USP	DEDICATED RECEIVER FEEDBACK	United States	14-Mar-07	60/906,828		

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P-9670-CN	ANTENNA SELECTION FEEDBACK	China	14-Mar-08	200880008175.X		
P-9670-EP	ANTENNA SELECTION FEEDBACK	EPO	14-Mar-08	08743932.9		
P-9670-JP	ANTENNA SELECTION FEEDBACK	Japan	14-Mar-08	2009-553827		
P-9670-PC	ANTENNA SELECTION FEEDBACK	PCT	14-Mar-08	PCT/US08/57098		
P-9670-US	ANTENNA SELECTION FEEDBACK	United States	12-Mar-08	12/046,672		
P-9670-USP	ANTENNA SELECTION FEEDBACK	United States	14-Mar-07	60/906,826		
P-9672-CN	TRANSMIT DIVERSITY DEVICE	China	14-Mar-08	200880013038.5		
P-9672-EP	TRANSMIT DIVERSITY DEVICE	EPO	14-Mar-08	08732284.8		
P-9672-JP	TRANSMIT DIVERSITY DEVICE	Japan	14-Mar-08	2009-553829		
P-9672-PC	TRANSMIT DIVERSITY DEVICE	PCT	14-Mar-08	PCT/US08/57117		
P-9672-US	TRANSMIT DIVERSITY DEVICE	United States	12-Mar-08	12/046,689	11-Oct-11	8,036,603

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PCZL Ref No.	Short Title	Country	Application Date	Application No.	Registration Date	Registration No.
P-9672-US1	TRANSMIT DIVERSITY DEVICE	United States	06-May-11	13/102,288	14-Feb-12	8,116,693
P-9672-US2	TRANSMIT DIVERSITY DEVICE	United States	17-Jan-12	13/351,988		
P-9672-USP	TRANSMIT DIVERSITY DEVICE	United States	15-Mar-07	60/918,066		
P-9673-PC	DRIVING MOBILE BEAMFORMING	PCT	14-Mar-08	PCT/US08/57108		
P-9673-US	DRIVING MOBILE BEAMFORMING	United States	06-Mar-08	12/043,256	04-Oct-11	8,032,091
P-9673-US1	DRIVING MOBILE BEAMFORMING	United States	02-Jun-11	13/152,136		
P-9673-USP	DRIVING MOBILE BEAMFORMING	United States	14-Mar-07	60/906,829		
P-9674-PC	PHASE INSTABILITY DETECTION	PCT	14-Mar-08	PCT/US08/57119		
P-9674-US	PHASE INSTABILITY DETECTION	United States	14-Mar-08	12/048,651	06-Sep-11	8,014,734
P-9674-USP	PHASE INSTABILITY DETECTION	United States	15-Mar-07	60/918,067		
P-9675-PC	PHASE CONTROL DURING PROBE/RACH	PCT	14-Mar-08	PCT/US08/57120		
P-9675-US	PHASE CONTROL DURING PROBE/RACH	United States	05-Mar-08	12/042,560	25-Oct-11	8,046,017
P-9675-USP	PHASE CONTROL DURING PROBE/RACH	United States	14-Mar-07	60/906,827		
P-9675-USP1	PHASE CONTROL DURING PROBE/RACH	United States	15-Mar-07	60/918,068		
P-70419-US	ANTENNA PATTERN DIVERSITY	United States	08-Dec-08	12/330,133	04-Oct-11	8,032,092
P-70419-USP	ANTENNA PATTERN DIVERSITY	United States	06-Dec-07	60/996,811		
P-73462-US	SAR DETECTION IN SERVICE OF MTD	United States	07-Sep-10	12/876,977		
P-73462-USP	SAR DETECTION IN SERVICE OF MTD	United States	08-Sep-09	61/240,459		
P-73558-CN	SYMMETRIC PHASE DIFFERENCE	China	19-Oct-10			

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PCZL Ref No.	Short Title	Country	Application Date	Application No.	Registration Date	Registration No.
P-73558-EP	SYMMETRIC PHASE DIFFERENCE	EPO	19-Oct-10			
P-73558-IN	SYMMETRIC PHASE DIFFERENCE	India	19-Oct-10			
P-73558-PC	SYMMETRIC PHASE DIFFERENCE	PCT	19-Oct-10	PCT/US10/53241		
P-73558-USP	SYMMETRIC PHASE DIFFERENCE	United States	20-Oct-09	61/253,428		
P-73776-US	DETERMINING PHASE DIFFERENCE	United States	23-Apr-10	12/766,725		
P-73776-USP	DETERMINING PHASE DIFFERENCE FOR MOBILE	United States	18-Jan-10	61/295,971		
P-73776-USP1	DETERMINING PHASE DIFFERENCE FOR MOBILE	United States	25-Jan-10	61/297,898		
P-73776-USP2	DETERMINING PHASE DIFFERENCE FOR MOBILE	United States	03-Mar-10	61/310,192		
P-74163-US	DELAY DETECTION	United States	10-May-11	13/104,749		
P-74163-USP	DELAY DETECTION	United States	10-May-10	61/333,021		
P-74192-PC	RANDOM ACCESS CHANNEL PROBE	PCT	26-May-11	PCT/US11/38221		
P-74192-US	RANDOM ACCESS CHANNEL PROBE	United States	26-May-11	13/117,005		
P-74192-USP	RANDOM ACCESS CHANNEL PROBE	United States	26-May-10	61/348,672		
P-74218-US	ADAPTIVELY SWITCHING DIVERSITY	United States	06-Jul-11	13/177,524		
P-74218-USP	ADAPTIVELY SWITCHING DIVERSITY	United States	06-Jul-10	61/361,631		
P-74453-US	TPC FOR UE UPLINK BEAMFORMING	United States	14-Sep-11	13/232,646		
P-74453-USP	TPC FOR UE UPLINK BEAMFORMING	United States	14-Sep-10	61/382,899		

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P-74810-US	USING MULTIPLE FEEDBACKS FOR UPLINK CLOSED-LOOP BEAMFORMING	United States	10-Feb-12	13/371,248		
P-74810-USP	USING SINGLE AND MULTIPLE FEEDBACKS FOR UPLINK CLOSED-LOOP BEAMFORMING IN SHO SITUATIONS	United States	11-Feb-11	61/441,736		
P-74811-USP	HANDOVER BETWEEN BS BASED UPLINK TRANSMIT DIVERSITY AND UE BASED UPLINK TRANSMIT DIVERSITY	United States	11-Feb-11	61/441,877		
P-74820-US	PHASE ADJUSTMENT BASED ON CLOSED-LOOP DIVERSITY FEEDBACK	United States	16-Feb-12	13/398,598		
P-74820-USP	UE MICRO PHASE ADJUSTMENT BASED ON UL CLOSED-LOOP TX DIVERSITY FEEDBACK	United States	16-Feb-11	61/443,542		
P-75151-USP	SAR	United States	21-Jun-11	61/499,593		
P-75151-USP1	SAR	United States	23-Jun-11	61/500,209		
P-75189-USP		United States	01-Jul-11	61/503,932		
P-75213-USP	SAR	United States	08-Jul-11	61/505,872		
P-75306-USP	INTERFERENCE CANCELLATION WITH MTD	United States	05-Aug-11	61/515,521		
P-75390-USP		United States	23-Aug-11	61/526,576		
P-75530-USP	GENERAL PHASE PERTURBATION METHOD	United States	14-Oct-11	61/547,323		
P-75601-USP	AUTONOMOUS CALIBRATION FOR TDD	United States	31-Oct-11	61/553,698		

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P-75841-USP		United States	09-Feb-12	61/597,015		
P-75856-USP		United States	15-Feb-12	61/599,157		