PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2850476

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BAHAREH SADEGHI	03/30/2012
CARLOS CORDEIRO	04/23/2014
GUOQING LI	04/02/2012
VALLABHAJOSYULA S. SOMAYAZULU	04/14/2014

RECEIVING PARTY DATA

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BLVD.
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2011065110

CORRESPONDENCE DATA

Fax Number: (612)332-8352

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Email: ILOH-formals@cpaglobal.com

Correspondent Name: PRASS, LLP
Address Line 1: C/O CPA GLOBAL
Address Line 2: PO BOX 52050

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	P40398PCT
NAME OF SUBMITTER:	DEEPIKA SAINI
SIGNATURE:	/DEEPIKA SAINI/
DATE SIGNED:	05/12/2014

Total Attachments: 6

source=P40398PCT_ASSIGN#page1.tif source=P40398PCT_ASSIGN#page2.tif source=P40398PCT_ASSIGN#page3.tif

PATENT 502803880 REEL: 032866 FRAME: 0621

source=P40398PCT_ASSIGN#page4.tif source=P40398PCT_ASSIGN#page5.tif source=P40398PCT_ASSIGN#page6.tif

> PATENT REEL: 032866 FRAME: 0622

Attorney Docket No.: P40398PCT

<u>ASSIGNMENT</u>

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Bahareh Sadeghi; Carlos Cordeiro; Guoqing Li; Vallabhajosyula S. Somayazulu

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95052 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the International application entitled:

USE OF LOCATION INFORMATION IN MULTI-RADIO DEVICES FOR MMWAVE BEAMFORMING

	which was filed on December_	15, 2011 as	
	International Application Number	PCT/US2011/065110	and
which has bee	n executed by the undersigned prior hereto	o or concurrently herewith on the d	ate(s) indicated below,
which has bee	n executed by the undersigned prior hereto	o or concurrently herewith on the d	ate(s) indicated below,
and in and to s	aid International application and all relate	d applications (e.g. national phase :	applications, divisional
and in and to s	aid International application and all relate outineation applications, reexaminations,	d applications (e.g. national phase (reissues, and the like) that have bee	applications, divisional on or shall be filed in the
and in and to supplications, c	aid International application and all relate	d applications (e.g. national phase (reissues, and the like) that have bee	applications, divisional on or shall be filed in the

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said

Page 1 of 2

inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Bahareh Sadeghi	3/30/2012 (Today's Date)
Carlos Cordeiro	(Today's Date)
Guoqing Li	$\frac{4/2/26/2}{(Today's Date)}$
Vallabhajosyula S, Somayazulu	(Today's Date)

Attorney Docket No.: P40398PCT

<u>ASSIGNMENT</u>

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Bahareh Sadeghi; Carlos Cordeiro; Guoqing Li; Vallabhajosyula S. Somayazulu

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95052 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the International application entitled:

USE OF LOCATION INFORMATION IN MULTI-RADIO DEVICES FOR MMWAVE BEAMFORMING

	which was filed on December	15, 2011 as	
	International Application Number	PCT/US2011/065110	and
which has t	een executed by the undersigned prior heret-	o or concurrently herewith on the di	ate(s) indicated below,
and in and t	a cold Interestional amiliantics and all rists	and applicable to the continue of the continue of	Simble of the continues
	o said International application and all relate , continuation applications, reexaminations,		
applications		reissues, and the like) that have bee	n or shall be filed in the

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said

Page 1 of 2

inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Bahareh Sadeghi	(Today's Date)
Carlos Cordeiro	(Today's Date)
Guoqing Li	(Today's Date)
V. S. Land	4/14/2014
Vallabhajosyula S. Somayazulu	(Today's Date)

Attorney Docket No.: P40398PCT

<u>ASSIGNMENT</u>

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Bahareh Sadeghi; Carlos Cordeiro; Guoqing Li; Vallabhajosyula S. Somayazulu

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95052 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the International application entitled:

USE OF LOCATION INFORMATION IN MULTI-RADIO DEVICES FOR MMWAVE BEAMFORMING

•	which was filed on <u>December</u>	15, 2011 as	
j	nternational Application Number	PCT/US2011/065110	and
	ecuted by the undersigned prior hereto		
and in and to said	ecuted by the undersigned prior hereto international application and all relates matten applications, reexaminations, a or all foreign countries on said invention	d applications (e.g. national phase reissues, and the like) that have bee	applications, divisional on or shall be filed in the

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said

Page 1 of 2

inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Bahareh Sadeghi	(Today's Date)
Carlos Cordeiro	13, 2014 (Today's Date)
Guoqing Li	(Today's Date)
Vallabhajosyula S. Somayazulu	(Today's Date)