503008923 10/07/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT3055523

CONVEYING PARTY DATA

Name	Execution Date
ALEXEI DAVYDOV	09/24/2014
ALEXEY KHORYAEV	09/24/2014
SERGEY PANTELEEV	09/24/2014
SEUNGHEE HAN	09/23/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14495641

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: SCHWEGMAN, LUNDBERG & WOESSNER/INTEL

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ATTORNEY DOCKET NUMBER: 884.R07US1

NAME OF SUBMITTER: NANCY CUNDALL

SIGNATURE: /Nancy Cundall/

DATE SIGNED: 10/07/2014

Total Attachments: 5

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PATENT 503008923 REEL: 033903 FRAME: 0974

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> PATENT REEL: 033903 FRAME: 0975

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 884.R07US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Intel Corporation Alexei Davydov, Alexey Khorvaev, Sergey Panteleev, Street Address: 2200 Mission College Blvd. Seunghee Han Additional name(s) of conveying party(ies) attached? City: Santa Clara State: CA Zip: 95054 Country: United States of America []Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [X] Assignment Merger [] Security Agreement [] Change of Name [] Other Execution Date: <u>September 24, 2014, September 24, 2014, September 24, 2014, September 23, 2014</u> 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 14/495,641 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Gregory R. Grace [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 Minneapolis, MN 55402--0938 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. 10/7/2014 Gregory R. Grace/Reg. No. 59,733 /Greqory R. Grace/ Name of Person Signing Date Signature Total number of pages including cover sheet: 5 Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450

> PATENT REEL: 033903 FRAME: 0976

ASSIGNMENT

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

<Alexei Davydov, Alexey Khoryaev, Sergey Panteleev, Seunghee Han>

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, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

PERIODIC CHANNEL STATUS INFORMATION (CSI) REPORTING FOR ENHANCED INTERFERENCE MANAGEMENT AND TRAFFIC ADAPTATION (EIMTA) SYSTEMS WITH CSI SUBFRAME SETS

thereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.) which was filed on September 24, 2014 as		
Country or International Office		

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and 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 logal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute

Page 1 of 2

all Additional Applications, 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 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 Assignce, 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.

dobugol	<u> 5ept 24 1,2014</u>
Alexei Ņ avydov	Date Signed
	<u>September 24,</u> 2019 Date Signed
Alexey/Khoryaev	Date Signed
	September 24, 2014
Sergey Panteleev	Date Signed
Seunghee Han	Date Signed

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Alexei Davydov	Date Signed
Alexey Khoryaev	Date Signed
Sergey Panteleev	Date Signed
Seunghee Han	<u> </u>

Page 2 of 2

RECORDED: 10/07/2014