505605753 08/05/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5652554

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TOUFIQUL ISLAM	07/30/2019
SERGEY PANTELEEV	05/01/2019
DEBDEEP CHATTERJEE	06/11/2019
FATEMEH HAMIDI-SEPEHR	07/22/2019

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
Application Number:	16372877

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.

Email: Request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	(AB9081-US) 1884.691US1
NAME OF SUBMITTER:	JANINE HEITLAND
SIGNATURE:	/Janine Heitland/
DATE SIGNED:	08/05/2019

Total Attachments: 9

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PATENT 505605753 REEL: 049958 FRAME: 0520



RECORDATION FORM COVER SHEET **PATENTS ONLY**

Atty Ref/Docket No.: (AB9081-US) 1884.691US1 Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Pleas	e record the attached original documents or copy thereof.
Name of conveying party(ies):	2. Name and address of receiving party(ies):
Toufiqul Islam, Sergey Panteleev, Debdeep Chatterjee,	Name: Intel Corporation
Fatemeh Hamidi-Sepehr	Street Address: 2200 Mission College Blvd.
Additional name(s) of conveying party(ies) attached?	City: <u>Santa Clara</u> State: <u>CA</u> Zip: <u>95054</u> Country: <u>United States of America</u>
[]Yes [X]No	Additional name(s) & address(es) attached? []Yes [X]No
3. Nature of conveyance:	Additional name(s) & address(es) attached: [] 1 es [A]No
[X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other	
Execution Date: <u>July 30, 2019, May 1, 2019, June 11, 2019, July 22, 2019</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. 16/372,877	
Additional numbers attached? []Yes [X]No	
5 Name and address Count to the common days	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):\$ <u>0.00</u>
Name: Ognyan I. Beremski	[]Enclosed
Address: Schwegman Lundberg & Woessner, P.A.	[]Authorized to be charged to deposit account 190743
P.O. Box 2938 Minneapolis, Minnesota 55402	8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 190743
DO NOT USE T	THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing informat of the original document.	tion is true and correct and any attached copy is a true copy
Ognyan I. Beremski/Reg. No. 51,458	remski/ 08/05/2019
Name of Person Signing	Signature Date
Total	number of pages including cover sheet: 9

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

ASSIGNMENT

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

<Toufiqul Islam, Sergey Panteleev, Debdeep Chatterjee, Fatemeh Hamidi-Sepehr>

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:

CONFIGURATION AND DESIGN OF CQI AND MCS TABLES FOR 5G COMMUNICATIONS

(I hereby 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 April 2, 2019 as

<u>United States of America</u> Application Number <u>16/372,877</u>

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

(while)	07/30/2019
Toufiqul Islam	Date Signed
Sergey Panteleev	Date Signed
Debdeep Chatterjee	Date Signed
Fatemeh Hamidi-Sepehr	Date Signed

Page 2 of 2

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Page 1 of 2

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Toufiqul Islam	Date Signed
Sergey Panteleev	May 1 , 2019 Date Signed
Debdeep Chatterjee	Date Signed
Fatemeh Hamidi-Sepehr	Date Signed

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Toufiqul Islam	Date Signed
Sergey Panteleev	Date Signed
Debdup Chatterjee	06/11/2019
Debdeep Chatterjee	Date Signed
Fatemeh Hamidi-Sepehr	Date Signed

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Toufiqul Islam	Date Signed
Sergey Panteleev	Date Signed
Debdeep Chatterjee	Date Signed
T	
Fatomoh Hamidi Spehr	7/22/2019
Fatemeh Hamidi-Sepehr	Date Signed

Page 2 of 2

RECORDED: 08/05/2019