#### 504767564 02/07/2018

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HYEJUNG JUNG	07/01/2017
TOMMASO BALERCIA	06/29/2017
XAVIER CARRENO BAUTISTA DE LISBONA	06/22/2017
ALEXEI DAVYDOV	06/22/2017

#### **RECEIVING PARTY DATA**

Name:	INTEL IP 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:	15747409

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	P87632PCT.US
NAME OF SUBMITTER:	ALEX W. HAYMOND
SIGNATURE:	/Alex W. Haymond/
DATE SIGNED:	02/07/2018

**Total Attachments: 5** source=ASSIGN#page1.tif source=ASSIGN#page2.tif source=ASSIGN#page3.tif

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> PATENT REEL: 044856 FRAME: 0587

Attorney Docket No.: P87632

# **ASSIGNMENT**

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

### HYEJUNG JUNG; TOMMASO BALERCIA; XAVIER CARRENO BAUTISTA DE LISBONA; ALEXEI DAVYDOV

hereby sell, assign, and transfer to:

## **Intel IP 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:

# NETWORK DISCOVERY AND BEAM ACQUISITION IN 5G RAT BEAM CELL OPERATION

(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	24 January 2018	as	
U.S.			anc
<ul> <li>COUNTRY or Inte</li> </ul>	ernational 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 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

PATENT REEL: 044856 FRAME: 0588

Attorney Docket No.: P87632

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 Assigner, its successors, assigns, and legal representatives; and

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

	7/1/2019
HYEMNG MING	Date signed
TOMMAN) BALERCIA	Dur signed
XAVIER CARRENO BAUTISTA DE LISBONA	Oste signed
ALEXEI DAVYDOV	Date signed

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.

HYEJUNG JUNG	Date signed
2_9_	6/29/2017
TOMMASO BALERCIA	Date signed
	PN 3
NAVIER CARRENO BAUTISTA DE LISBONA	Date signed

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HYEJUNG JUNG	Date signed	
TOMMASO BALERCIA	Date signed	
	22 <sup>11,4</sup> 34106 2015	
XAVIER CARRENO BAUTISTA DE LISBONA	Date signed	
ALEXEI DAVYDOV	Date signed	

Attorney Docket No.: P87632

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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.

HYEJUNG JUNG	Date signed	
TOMMASO BALERCIA	Date signed	
XAVIER CARRENO BAUTISTA DE LISBONA	Date signed	
Lash	June 22, 2017	
ALEXET DAVYDOV	Date signed	

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