## 504192595 01/24/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
INTEL CORPORATION	01/20/2017

#### **RECEIVING PARTY DATA**

Name:	INTEL IP CORPORATION	
Street Address:	eet Address: 2200 MISSION COLLEGE BOULEVARD	
City:	SANTA CLARA	
State/Country:	ate/Country: CALIFORNIA	
Postal Code:	95054	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15384623

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	42536-0297
NAME OF SUBMITTER:	KIM BONSIGNORE
SIGNATURE:	/Kim Bonsignore/
DATE SIGNED:	01/24/2017

### **Total Attachments: 3**

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PATENT 504192595 REEL: 041059 FRAME: 0207

Attorney Docket No.: 42536-0297 (P105606)

# **ASSIGNMENT**

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

## **Intel Corporation**

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:

## PHASE-ROTATION OF SVD-BASED PRECODING MATRICES

	ny attorney having appropriate authority from the assignee to insert on	a the
designated lines below, the filing of	ate and application number of said application when known.)	
1 1 1 01 1		

	which was filed on	December 20, 2016	_ as
and	U.S.	Application Number	15/384,623
	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 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

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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.

Signature

Kerry Tweet

Assistant Director of Raterts

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August 8, 2016

Re: Delegation of Signature Authority

To Whom It May Concern:

I, Jeff Draeger, Vice President for Intel Corporation, hereby delegate authority to sign Powers of Attorney in patent matters before any patent office, Revocations of Power of Attorney in patent matters before any patent office, Patent Assignments, and other patent-related documents to: Libby Hope, Sharon Wong and Kerry Tweet as Assistant Directors, Intel Patent Group, Intel Corporation.

I hereby further delegate authority to sign Powers of Attorney in patent matters before any patent office and Revocations of Power of Attorney in patent matters before any patent office to Lisa Hopkinson and Gwen Olds as Administrators of Patents, Intel Patent Group, Intel Corporation.

Thank you for your cooperation in this matter.

Sincerely.

Jeff Draeger Vice President Intel Patent Group

Intel Corporation

Intel Corporation 2200 Mission College Blvd. Santa Clara, CA 95054

PATENT REEL: 041059 FRAME: 0210