

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5536110

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XUE YANG	09/13/2016
ZHEN YAO	09/13/2016
HAIBIN LIU	09/20/2016
STEPHANIE MOYERMAN	09/15/2016
BRAXTON LATHROP	09/13/2016
JAMES HALL	09/16/2016
JEREMY PARRA	10/02/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INTEL CORPORATION
<b>Street Address:</b>	2200 MISSION COLLEGE BOULEVARD
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16417171
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	3125801020
<b>Email:</b>	ndombrowski@hfzlaw.com
<b>Correspondent Name:</b>	HANLEY FLIGHT AND ZIMMERMAN LLC
<b>Address Line 1:</b>	150 S WACKER DRIVE
<b>Address Line 2:</b>	SUITE 2200
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	P108888-C1
<b>NAME OF SUBMITTER:</b>	SYED NAZEER ALI
<b>SIGNATURE:</b>	/Syed Nazeer Ali/
<b>DATE SIGNED:</b>	05/22/2019

PATENT

**Total Attachments: 8**

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**ASSIGNMENT**

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

**Xue Yang, Zhen Yao, Haibin Liu, Stephanie Moyerman, Braxton Lathrop, James Hall and Jeremy Parra**

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:

**METHODS AND APPARATUS FOR HIGH SPEED LOCATION DETERMINATIONS**

**(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 May 20, 2019 as  
United States Application Number 16/417,171 and  
COUNTRY or International Office

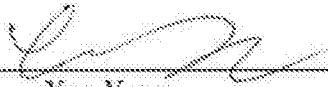
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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 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.

  
\_\_\_\_\_  
Xue Yang

*09/13/2016*  
\_\_\_\_\_  
Date signed

\_\_\_\_\_  
Zhen Yao

\_\_\_\_\_  
Date signed

\_\_\_\_\_  
Haibin Liu

\_\_\_\_\_  
Date signed

\_\_\_\_\_  
Stephanie Moyerman

\_\_\_\_\_  
Date signed

\_\_\_\_\_  
Braxton Lathrop

\_\_\_\_\_  
Date signed

\_\_\_\_\_  
James Hall

\_\_\_\_\_  
Date signed

\_\_\_\_\_  
Jeremy Parra

\_\_\_\_\_  
Date signed

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_____ Xue Yang	_____ Date signed
_____  Zhen Yao	_____ 09/13/2016 Date signed
_____ Haibin Liu	_____ Date signed
_____ Stephanie Moyerman	_____ Date signed
_____ Braxton Lathrop	_____ Date signed
_____ James Hall	_____ Date signed
_____ Jeremy Parra	_____ Date signed

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_____ Xue Yang	_____ Date signed
_____ Zhen Yao	_____ Date signed
_____ <i>Haibin Liu</i> Haibin Liu	_____ <i>9/20/2016</i> Date signed
_____ Stephanie Moyerman	_____ Date signed
_____ Braxton Lathrop	_____ Date signed
_____ James Hall	_____ Date signed
_____ Jeremy Parra	_____ Date signed

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_____ Xue Yang	_____ Date signed
_____ Zhen Yao	_____ Date signed
_____ Haibin Liu	_____ Date signed
_____  Stephanie Moyerman	_____ Sept. 15, 2016 Date signed
_____ Braxton Lathrop	_____ Date signed
_____ James Hall	_____ Date signed
_____ Jeremy Parra	_____ Date signed

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_____ Xue Yang	_____ Date signed
_____ Zhen Yao	_____ Date signed
_____ Haibin Liu	_____ Date signed
_____ Stephanie Moyerman	_____ Date signed
_____ <i>Braxton Lathrop</i> Braxton Lathrop	_____ <i>13, Sept 2016</i> Date signed
_____ James Hall	_____ Date signed
_____ Jeremy Parra	_____ Date signed



**Attorney Docket No.: P108888**

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_____ Zhen Yao	_____ Date signed
_____ Haibin Liu	_____ Date signed
_____ Stephanie Moyerman	_____ Date signed
_____ Braxton Lathrop	_____ Date signed
 _____ James Hall	<u>9/16/06</u> _____ Date signed
_____ Jeremy Parra	_____ Date signed

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_____ Haibin Liu	_____ Date signed
_____ Stephanie Moyerman	_____ Date signed
_____ Braxton Lathrop	_____ Date signed
_____ James Hall	_____ Date signed
_____ <i>Jeremy Parra</i> Jeremy Parra	_____ Oct. 2, 2016 Date signed