

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5642354

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAE YOUNG YANG	05/01/2019
ZHEN ZHOU	04/30/2019
BRADLEY JACKSON	07/29/2019
SHENGBO XU	06/07/2019
CHENG-YUAN CHIN	05/01/2019
DEBABANI CHOUDHURY	05/01/2019
ALI SADRI	07/23/2019
RECEIVING PARTY DATA	
Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BOULEVARD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16399451
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	216-502-0600
Email:	docketing@epiplaw.com
Correspondent Name:	ESCHWEILER & POTASHNIK, LLC
Address Line 1:	629 EUCLID AVENUE
Address Line 2:	SUITE 1000
Address Line 4:	CLEVELAND, OHIO 44114
ATTORNEY DOCKET NUMBER:	INTP758US
NAME OF SUBMITTER:	THOMAS G. ESCHWEILER
SIGNATURE:	/Thomas G. Eschweiler/
DATE SIGNED:	07/30/2019

PATENT

Total Attachments: 8

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

source=Assignment#page6.tif

source=Assignment#page7.tif

source=Assignment#page8.tif

ASSIGNMENT

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

**Tae Young Yang; Zhen Zhou; Bradley Jackson; Shengbo Xu; Cheng-Yuan Chin;
Debabani Choudhury; & Ali Sadri**

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:

HIGH PERFORMANCE LENS ANTENNA SYSTEMS

(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 30, 2019 as

US Application Number 16/399,451 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.

 _____ Inventor 1 Tae Young Yang	<u>5/1/2019</u> _____ Date signed
_____ Inventor 2 Zhen Zhou	_____ Date signed
_____ Inventor 3 Bradley Jackson	_____ Date signed
_____ Inventor 4 Shengbo Xu	_____ Date signed
_____ Inventor 5 Cheng-Yuan Chin	_____ Date signed
_____ Inventor 6 Debabani Choudhury	_____ Date signed
_____ Inventor 7 Ali Sadri	_____ Date signed

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.

_____ Inventor 1 Tae Young Yang	_____ Date signed
_____ <i>Zhen Zhou</i> Inventor 2 Zhen Zhou	_____ 4/30/2019 Date signed
_____ Inventor 3 Bradley Jackson	_____ Date signed
_____ Inventor 4 Shengbo Xu	_____ Date signed
_____ Inventor 5 Cheng-Yuan Chin	_____ Date signed
_____ Inventor 6 Ali Sadri	_____ Date signed
_____ Inventor 7 Debabani Choudhury	_____ Date signed

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.

_____ Inventor 1 Tae Young Yang	_____ Date signed
_____ Inventor 2 Zhen Zhou	_____ Date signed
 _____ Inventor 3 Bradley Jackson	<u>7/29/19</u> _____ Date signed
_____ Inventor 4 Shengbo Xu	_____ Date signed
_____ Inventor 5 Cheng-Yuan Chin	_____ Date signed
_____ Inventor 6 Debabani Choudhury	_____ Date signed
_____ Inventor 7 Ali Sadri	_____ Date signed


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.

Inventor 1 Tae Young Yang	Date signed
Inventor 2 Zhen Zhou	Date signed
Inventor 3 Bradley Jackson	Date signed
 Inventor 4 Shengbo Xu	06/07/2019 Date signed
Inventor 5 Cheng-Yuan Chin	Date signed
Inventor 6 Debabani Choudhury	Date signed
Inventor 7 Ali Sadri	Date signed

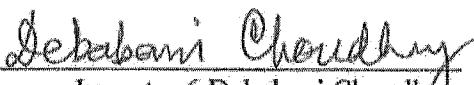
all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, 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.

Inventor 1 Tae Young Yang	Date signed
Inventor 2 Zhen Zhou	Date signed
Inventor 3 Bradley Jackson	Date signed
Inventor 4 Shengbo Xu	Date signed
 Inventor 5 Cheng-Yuan Chin	May 1, 2019 Date signed
Inventor 6 Debabani Choudhury	Date signed
Inventor 7 Ali Sadri	Date signed

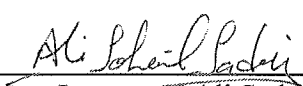
all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, 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.

Inventor 1 Tae Young Yang	Date signed
Inventor 2 Zhen Zhou	Date signed
Inventor 3 Bradley Jackson	Date signed
Inventor 4 Shengbo Xu	Date signed
Inventor 5 Cheng-Yuan Chin	Date signed
 Inventor 6 Debabani Choudhury	05/01/2019 Date signed
Inventor 7 Ali Sadri	Date signed

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.

Inventor 1 Tae Young Yang	Date signed
Inventor 2 Zhen Zhou	Date signed
Inventor 3 Bradley Jackson	Date signed
Inventor 4 Shengbo Xu	Date signed
Inventor 5 Cheng-Yuan Chin	Date signed
Inventor 6 Debabani Choudhury	Date signed
 Inventor 7 Ali Sadri	07/23/2019 Date signed