504981286 06/28/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VASE JOVANOV	06/14/2018
PETER BAUMGARTNER	06/22/2018
GREGOR BRACHER	06/13/2018
LUIS GILES	06/14/2018
UWE HODEL	06/13/2018
ANDREAS LACHMANN	06/14/2018
PHILIPP RIESS	06/15/2018
KARL-HENRIK RYDEN	06/14/2018

RECEIVING PARTY DATA

Name:	INTEL IP 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:	16019585

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.

Phone: 8944235930 **Email:** mail@2spl.de

Correspondent Name: MANI ARABI C/O 2SPL PATENTANWAELTE

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ATTORNEY DOCKET NUMBER:	AA8209-US_INT180305
NAME OF SUBMITTER:	MANI ARABI
SIGNATURE:	/Mani Arabi/

PATENT 504981286 REEL: 046223 FRAME: 0317

DATE SIGNED:	06/28/2018
Total Attachments: 5	
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PATENT REEL: 046223 FRAME: 0318

<u>ASSIGNMENT</u>

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

VASE JOVANOV; PETER BAUMGARTNER; GREGOR BRACHER; LUIS GILES; UWE HODEL; ANDREAS LACHMANN; PHILIPP RIESS; KARL-HENRIK RYDEN

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:

SEMICONDUCTOR DEVICES AND METHODS FOR FORMING SEMICONDUCTOR DEVICES

(I hereby auti	horize and requ	est any attorney	having appropriate	authority from the	: assignce to insert on the
designated lin	es below, the fil	ing date and app	dication number of	said application wi	ien known.)

which was filed on	June 27, 20)18 	as	
US		Application Number	16/019,585	and
COUNTRY or Int		Approxime : winoce	***************************************	eare

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,

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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.

Le Jan	14.06.2018
VASE JØVANOV	Date signed
PETER BAUMGARTNER	Date signed
Gyr bruk	13.06. 7018
GREGOR BRACHER	Date signed
LUIS GILES	Date signed
I'm Can	12.06. 2018
UWE HODEL	Date signed
ANDREAS LACHMANN	Date signed
PHILIPP RIESS	Date signed
KARL HENRIK RYDEN	Date signed

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VASE JOVANOV	Date signed
Baum gazdre PETER BAUMGARTNER	<u> </u>
GREGOR BRACHER	Date signed
LUIS GILES	Date signed
UWE HODEL	Date signed
ANDREAS LACHMANN	Date signed
PHILIPP RIESS	Date signed
KARL-HENRIK RYDEN	Date signed

Page 2 of 2

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	VASE JOVANOV	Date signed
	PETER BAUMGARTNER	Date signed
	GREGOR BRACHER	Date signed
servere e	2-L669	14 Jun 2018
Kum	LUIS GILES	Date signed
	UWE HODEL	Date signed
	Andras Callman	14 June 2018
	ANDREAS LACHMANN	Date signed
	DEFFE YEAR TO STUDIO	Rote signed
	PHILIPP RIESS	Date signed
	Kal-O-Gl	14,6,2018
	KARL-HENRIK RYDEN	Date signed

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	VASE JOVANO	OV	Date signed
*******			V
	PETER BAUM	GARTNER	Date signed
alan an an all an	GREGOR BRA	CHER	Date signed
***************************************	LUIS GILES		Date signed
	UWE HODEL		Date signed
		<u> </u>	
	ANDREAS LAY	HMANN	Date signed
74	tielle	4	June 15. 2018
The state of the s	PHIMIPP RIESS		Date signed
***************************************	KARL-HENRIK	RYDEN	Date signed

Page 2 of 2