

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3007518

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MAHESH KRISHNAMURTHI	08/06/2014
I-WEI HSIEH	07/31/2014
HAISHENG RONG	07/31/2014
ASSIA BARKAI	07/14/2014
OSHRIT HAREL	07/17/2014
HAREL FRISH	07/18/2014
WENHUA LIN	09/02/2014
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:	14334260
CORRESPONDENCE DATA	
Fax Number:	(503)796-2900
<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:	2066891223
Email:	mchristopherson@schwabe.com
Correspondent Name:	SCHWABE WILLIAMSON & WYATT PC
Address Line 1:	1211 SW 5TH AVE
Address Line 2:	SUITE 1900
Address Line 4:	PORTLAND, OREGON 97204
ATTORNEY DOCKET NUMBER:	125157-197566 (P67849)
NAME OF SUBMITTER:	MELEE CHRISTOPHERSON
SIGNATURE:	/Melee Christopherson/
DATE SIGNED:	09/03/2014

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):

**Mahesh Krishnamurthi
I-Wei Hsieh
Haisheng Rong
Oshrit Harel
Harel Frish
Assia Barkai
Wenhua Lin**

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:

OPTICAL DEVICE USING ECHELLE GRATING THAT PROVIDES TOTAL INTERNAL REFLECTION OF LIGHT

(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 July 17, 2014 as U.S. Application Number 14/334,260

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.

K. Mahesh

Mahesh Krishnamurthi

Aug 6, 2014.

Date signed

I-Wei Hsieh

Date signed

Haisheng Rong

Date signed

Oshrit Harel

Date signed

Harel Frish

Date signed

Assia Barkai


Date signed

Wenhua Lin

Date signed

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_____ Mahesh Krishnamurthi  _____ I-Wei Hsieh	_____ Date signed July 31, 2014 _____ Date signed
_____ Haisheng Rong	_____ Date signed
_____ Oshrit Harel	_____ Date signed
_____ Harel Frish	_____ Date signed
_____ Assia Barkai	_____ Date signed
_____ Wenhua Lin	_____ Date signed

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_____ Mahesh Krishnamurthi	_____ Date signed
_____ I-Wei Hsieh	_____ Date signed
_____ <i>Haisheng Rong</i> Haisheng Rong	_____ <i>July 31, 2014</i> Date signed
_____ Oshrit Harel	_____ Date signed
_____ Harel Frish	_____ Date signed
_____ Assia Barkai	_____ Date signed
_____ Wenhua Lin	_____ Date signed

Attorney Docket No.: P67849


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_____ I-Wei Hsieh	_____ Date signed
_____ Haisheng Rong	_____ Date signed
_____ Oshrit Harel	_____ Date signed
_____ Harel Frish	_____ Date signed
 _____ Assia Barkai	<u>14-JUL-2014</u> Date signed
_____ Wenhua Lin	_____ Date signed


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_____ Mahesh Krishnamurthi	_____ Date signed
_____ I-Wei Hsieh	_____ Date signed
_____ Haisheng Rong	_____ Date signed
_____  Oshrit Harel	_____ 17.7.2014 Date signed
_____ Harel Frish	_____ Date signed
_____ Assia Barkai	_____ Date signed
_____ Wenhua Lin	_____ Date signed

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_____ Mahesh Krishnamurthi	_____ Date signed
_____ I-Wei Hsieh	_____ Date signed
_____ Haisheng Rong	_____ Date signed
_____ Oshrit Harel	_____ Date signed
_____  Harel Frish	_____ 7/18/10 Date signed
_____ Assia Barkai	_____ Date signed
_____ Wenhua Lin	_____ Date signed

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_____ I-Wei Hsieh	_____ Date signed
_____ Haisheng Rong	_____ Date signed
_____ Oshrit Harel	_____ Date signed
_____ Harel Frish	_____ Date signed
_____ Assia Barkai	_____ Date signed
_____  Wenhua Lin	_____ 9/2/14 Date signed