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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHIU-JUNG CHEN	02/05/2016
YUN-WEI CHENG	02/05/2016
VOLUME CHIEN	02/05/2016
KUO-CHENG LEE	02/05/2016
CHUN-HAO CHOU	02/05/2016
YUNG-LUNG HSU	02/05/2016
HSIN-CHI CHEN	02/05/2016

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
Street Address:	NO. 8, LI-HSIN ROAD 6
Internal Address:	SCIENCE-BASED INDUSTRIAL PARK
City:	HSIN-CHU
State/Country:	TAIWAN
Postal Code:	300-77

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15050819

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	24061.2841US02
NAME OF SUBMITTER:	LADONNA JOHNSON
SIGNATURE:	/LaDonna Johnson/

DATE SIGNED:	02/23/2016
Total Attachments: 4	
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Docket No.: 2014-0255 / 24061.2841

Customer No.: 42717

ASSIGNMENT

W.	HEREAS, we,		
(1)) Chiu-Jung Chen	of	No. 283, Xinglong Rd., South District Tainan City, Taiwan, R.O.C. 70261
(2)	Yun-Wei Cheng	of	9F1, No. 127, Sec. 3, Muzha Rd., Wenshan District Taipei City, Taiwan, R.O.C. 116
(3)) Volume Chien	of	No. 31, Aly. 14, Ln. 89, Dongxing 6th St., Xinying District Tainan City, Taiwan, R.O.C. 730
(4)	Kuo-Cheng Lee	of	No. 31, Dongqiao 8th St., Yongkang District Tainan City, Taiwan, R.O.C. 710
(5)) Chun-Hao Chou	of	No. 8, Ln. 156, Wenhua 1st St., East District Tainan City, Taiwan, R.O.C. 701
(6)	Yung-Lung Hsu	of	No. 67, Lane 199, Yu-De Rd., North District Tainan, Taiwan, R.O.C.
(7)	Hsin-Chi Chen	of	No. 51, Ln. 239, Dingmei 3rd St., West Central District Tainan City, Taiwan, R.O.C. 700

have invented certain improvements in

SEMICONDUCTOR IMAGE SENSOR DEVICE HAVING BACK SIDE ILLUMINATED IMAGE SENSORS WITH EMBEDDED COLOR FILTERS

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, Republic of China. is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be

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filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Inven	tor	Name:	
HIVCH	w	ivallic.	

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Dated: 70/6/2/5

Chin Jung Chan
Inventor Signature

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Dated: 2016/2/5

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Dated: 2016, 02,05

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RECORDED: 02/23/2016

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