505106705 09/21/2018

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MING-JIE HE	03/27/2018
SHAWN YANG	03/27/2018
SZU-HSIEN LO	03/27/2018
SHUEN-LIANG TSENG	04/18/2018
WEN-CHENG CHENG	03/28/2018
CHEN-FANG CHUNG	03/27/2018
CHIA-LIN HSUEH	03/28/2018
KUO-PIN CHUANG	08/30/2018

RECEIVING PARTY DATA

Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
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State/Country:	TAIWAN
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15940609

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ATTORNEY DOCKET NUMBER: P20170810US00/N1085-01688	
NAME OF SUBMITTER:	RICHARD C. KIM
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PATENT 505106705 REEL: 046942 FRAME: 0624

DATE SIGNED: 09/21/2018

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PATENT REEL: 046942 FRAME: 0625



ATTORNEY DOCKET NO.: P20170810US00/N1085-01688

ASSIGNMENT AND AGREEMENT

For value received, we, Ming-Jie HE, Shawn YANG, Szu-Hsien LO, Shuen-Liang TSENG, Wen-Cheng CHENG, Chen-Fang CHUNG, Chia-Lin HSUEH, and Kuo-Pin CHUANG, hereby transfer to Taiwan Semiconductor Manufacturing Co., Ltd., with its principal place of business located at No. 8, Li-Hsin Road 6, Hsinchu Science Park, Hsin-Chu 300-77, Taiwan, Republic of China, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to SPUTTER TARGET MAGNET, described in non-provisional patent ______ filed ______, and under any and all Letters Patent and application S.N. any divisions, continuations, continuations-in-part, reexamination certificates, reissues, and extensions thereof, or claiming priority therefrom that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Taiwan Semiconductor Manufacturing Co., Ltd. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Taiwan Semiconductor Manufacturing Co., Ltd. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Taiwan Semiconductor Manufacturing Co., Ltd. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Taiwan Semiconductor Manufacturing Co., Ltd. in the United States and in all countries foreign to the United States, or to such nominees as Taiwan Semiconductor Manufacturing Co., Ltd. may designate.

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ATTORNEY DOCKET NO.: P20170810US00/N1085-01688

We agree that, when requested, we shall, without charge to Taiwan Semiconductor Manufacturing Co., Ltd. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

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