503631901 12/31/2015 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY DA	АТА			
		Name	Execution Date	
SHENGRONG ZHONG			12/22/2015	
XIAOSHE DENG			12/22/2015	
GENYI WANG	12/12/2015			
DONGFEI ZHOU			12/22/2015	
RECEIVING PARTY DA	ТА			
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State/Country:	CHINA			
Postal Code:	214028			
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PROPERTY NUMBERS	Total:			
Property Type		Number		
Application Number:		14902517		
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NAME OF SUBMITTER:		PAUL J. PARINS	PAUL J. PARINS	
SIGNATURE:		/PJP/		
DATE SIGNED:		12/31/2015		
Total Attachments: 2		1		

Total Attachments: 2

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PATENT REEL: 037391 FRAME: 0933

ASSIGNMENT

WHEREAS we, Shengrong ZHONG, of No. 8 Xinzhou Road, Wuxi New District, Jiangsu 214028, P.R. China; Xiaoshe DENG, of No. 8 Xinzhou Road, Wuxi New District, Jiangsu 214028, P.R. China; Genyi WANG, of No. 8 Xinzhou Road, Wuxi New District, Jiangsu 214028, P.R. China; and Dongfei ZHOU, of No. 8 Xinzhou Road, Wuxi New District, Jiangsu 214028, P.R. China are hereinafter called the "Assignors."

WHEREAS, CSMC TECHNOLOGIES FAB1 CO., LTD., having its principal place of business at No. 8 Xinzhou Road, Wuxi New District, Jiangsu 214028, P.R. China (hereinafter called the "Assignee") is desirous of acquiring their entire rights, title and interests in and to PCT Patent Application titled INSULATED GATE BIPOLAR TRANSISTOR AND MANUFACTURING METHOD THEREFOR and having Serial No. PCT/CN2014/082730 and filing date of July 22, 2014, including all inventions disclosed therein, and in, to and under any and all Letters Patent to be obtained therefore.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the Assignee, its successors and assigns, their entire rights, title and interests in and to said application (including all inventions disclosed therein) and all Letters Patent, both foreign and domestic, including all nonprovisional, continuation, divisional, reissue, and reexamination applications, that may or shall issue, including all rights under the International Convention, and we do hereby authorize and request the Commissioner for Patents to issue said Letters Patent to the above-mentioned Assignee in accordance herewith.

Assignors further authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name, if desired, in any and all foreign countries, and additionally to claim the filing date of said United States Application and/or otherwise take advantage of the provisions of the International Convention.

Assignors do hereby covenant and agree with the said Assignee, its successors and assigns, that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we or our executors or administrators will, at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, nonprovisional, divisional, continuation, reissued, or extended Letters Patent of the United States, or of any and all foreign countries on said invention(s), and in enforcing any rights, occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

In Witness Whereof, we have hereunto signed our names on the date(s) set forth below.

Shengrong 240,06 Joit. 12.22 Shengrong ZHONG Date

Docket No. ACL0013/US (ASP15877966US)

Xiaoshe DBNG	2015,12.22
Xiaoshe DENG	Datę
Genyi WANG	2015-12-12
Genyi WANG	Date
Dongfei Zhou	2015. 12.22
Dongfei ZHOU	Date

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RECORDED: 12/31/2015