

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3562979

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	RUNLING LI	09/11/2015
	HAIFENG ZHOU	09/11/2015
RECEIVING PARTY DATA		
Name:	SHANGHAI HUALI MICROELECTRONICS CORPORATION	
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City:	SHANGHAI	
State/Country:	CHINA	
Postal Code:	201203	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14879057
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ATTORNEY DOCKET NUMBER:	97096-912699 (000600US)	
NAME OF SUBMITTER:	CHARLES W. GRAY	
SIGNATURE:	/Charles W. Gray/	
DATE SIGNED:	10/08/2015	
Total Attachments: 1		
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ASSIGNMENT OF NON-PROVISIONAL PATENT APPLICATION

JOINT

WHEREAS, Runling Li and Haifeng Zhou, residing at 497 Gaosi Road, Shanghai Zhangjiang High-Tech Park, Pudong District, Shanghai, P.R. China, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified non-provisional patent application:

Title of Invention: METHODS AND SYSTEMS FOR REDUCING
DISLOCATION DEFECTS IN HIGH CONCENTRATION
EPITAXY PROCESSES

Application No.: 14/879,057

Filing Date: October 8, 2015

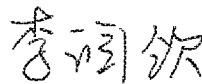
WHEREAS, Shanghai Huali Microelectronics Corporation, located 497 Gaosi Road, Shanghai Zhangjiang High-Tech Park, Pudong District, Shanghai, P.R. China, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

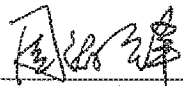
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 2015. 8. 11



Runling Li

Dated: 2015/9/11



Haifeng Zhou