PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	DATA			
		Name	Execution Date	
Sue Siyang ZHANG			05/02/2013	
Kyusik SHIN			05/02/2013	
Wen-Chien David HS	GIAO		05/02/2013	
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	RS Total: 1			
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Signature:	/Steven H. VerSteeg/		
Date:	05/02/2013		
Total Attachments: 1 source=HSJ920130002_Assignment#page1.tif			

ASSIGNMENT FOR PATENT APPLICATION

Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

PMR OVERWRITE ENHANCEMENT BY MAIN POLE RIE METHOD

Whereas, HGST Netherlands B.V., having a place of business at Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, Netherlands (hereinafter referred to as "HGST"), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I/we, the above named, hereby sell, assign, and transfer to HGST, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to HGST, its successors and assigns; and we hereby agree that HGST may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by HGST.

Signed on the date(s) indicated beside my (our) signature(s).

Signature: Signature: Typed Name: Sue Siyang ZHANG \mathbf{D}

Signature: <u>/dynaih</u> Typed Name: Kyusik SHIN

2)

Signature: Menst 3)

Typed Name: Wen-Chien David HSIAO

Date; 5/2/2013

Date: 5/2/2072

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