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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Patrick Mesquita Braganca	02/11/2013
Jeffrey R. Childress	02/11/2013
Yang Li	02/11/2013
Neil Smith	02/11/2013

RECEIVING PARTY DATA

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State/Country:	NETHERLANDS	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13764559

CORRESPONDENCE DATA

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NAME OF SUBMITTER: Thomas R. Berthold

Total Attachments: 1

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PATENT REEL: 029792 FRAME: 0414

ASSIGNMENT FOR PATENT APPLICATION

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

CURRENT-PERPENDICULAR-TO-THE-PLANE (CPP) MAGNETORESISTIVE SENSOR WITH AN EXCHANGE-COUPLED REFERENCE LAYER HAVING SHAPE ANISOTROPY

Whereas, HGST Netherlands B.V., having a place of business at Herikerbergweg 238, Luna ArenA, 1101 CM Amsterdam, The 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).

1. Full Name	Patrick Mesquita Braganca	
Inventor's Signature	Park on Brown	date 2/11/13
2. Full Name	Jeffrey R. Childress	
Inventor's Signature		date 2/11/13
3. Full Name	Yang Li	
Inventor's Signature		date 2/11/13
4. Full Name	Neil Smith	
Inventor's Signature	nil mith	date 2/11/13

Page 1 of 1

PATENT REEL: 029792 FRAME: 0415

RECORDED: 02/11/2013