PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2588867

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHIWEN HUANG	09/19/2013
FENGLIN LIU	10/17/2013
QIPING ZHONG	10/01/2013
KYUSIK SHIN	10/05/2013
YINGJIAN CHEN	10/23/2013

RECEIVING PARTY DATA

Name:	HGST NETHERLANDS B.V.
Street Address:	HERIKERBERGWEG 238, LUNA ARENA
City:	AMSTERDAM
State/Country:	NETHERLANDS
Postal Code:	1101 CM

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13193520

CORRESPONDENCE DATA

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 (952)697-2631

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Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: RICHARD E. BILLION Address Line 1: 7401 METRO BLVD.

Address Line 2: SUITE 425

Address Line 4: MINNEAPOLIS, MINNESOTA 55439

ATTORNEY DOCKET NUMBER:	HSJ920110005US1/1154.20
NAME OF SUBMITTER:	RICHARD E. BILLION
	PAIENI

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13193520

Signature:	/Richard E. Billion 32836/	
Date:	10/23/2013	
Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif		

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

METHOD FOR MANUFACTURING WRAPAROUND SHIELD WRITE HEAD USING HARD MASKS

	hereby authorizes, and requests, AS	PATENT ASSIGNMENT. THE UNDERSIGNED SIGNEE'S legal representatives, of Billion & Armitage, umber 117460, to insert here in parenthesis (U.S. Serial) this application's U.S. Serial Number
	was filed on 28 July 2011 and was	given U.S. Serial No. 13/193,520; or
icqui	A 1101 CM Amsterdam. The Netherla	ring a place of business at Herikerbergweg 238, Luna nds (hereinafter referred to as "HGST"), desires to said application and invention, and to any United States
title : forei and v forth	e named, hereby sell, assign, and transfer and interest in the said application and invented in the said application and invented countries, and all rights of priority resure request the Commissioner of Patents to in said application to HGST, its successor for foreign Letters Patent on said invented with the United States and foreign	ion, receipt whereof is hereby acknowledged, I/we, the to HGST, its successors and assigns, the entire right, rention therein disclosed for the United States and alting from the filing of said United States application, is issue any Letters Patent granted upon the inventions set and assigns; and we hereby agree that HGST may ion and we will execute all papers necessary in applications when called upon to do so by HGST.
	Signed on the date(s) indicated beside n	
1)	Signature: Typed Name: Shiwen HUANG	Date: <u>09/19/2013</u>
2)	Signature: Typed Name: Fenglin LIU	Date:
3)	Signature:	Date:
4)	Signature: Typed Name: Kyusik SHIN	Date:
5)	Signature: Typed Name: Yingjian CHEN	Date:
Doc	ket No.: 1154.020US1 (HSJ920110005US1)	Page 1 of 1

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

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	who are associated with customer number	NT ASSIGNMENT. THE UNDERSIGNED EE'S legal representatives, of Billion & Armitage, 117460, to insert here in parenthesis (U.S. Serial) this application's U.S. Serial Number
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acqu	nA. 1101 CM Amsterdam, The Netherlands (b	place of business at Herikerbergweg 238, Luna ereinafter referred to as "HGST"), desires to oplication and invention, and to any United States
title fore and forth appl	ve named, hereby sell, assign, and transfer to HG and interest in the said application and invention ign countries, and all rights of priority resulting f	therein disclosed for the United States and rom the filing of said United States application, any Letters Patent granted upon the inventions set assigns; and we hereby agree that HGST may I we will execute all papers necessary in ations when called upon to do so by HGST.
1)	Signature:	Date:
2)	Signature: Fenglin Liu Typed Name: Fenglin LIU	Date: 10/17/10/7
3)	Signature:	Date:
4)	Signature: Typed Name: Kyusik SHIN	Date:
5).	Signature: Typed Name: Yingjian CHEN	Date:
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forei and v forth appl	e named, hereby sell, assign, and transfer to HG and interest in the said application and invention gn countries, and all rights of priority resulting twe request the Commissioner of Patents to issue in said application to HGST, its successors and for foreign Letters Patent on said invention and ection with the United States and foreign applic	therein disclosed for the United States and from the filing of said United States application, any Letters Patent granted upon the inventions set assigns; and we hereby agree that HGST may I we will execute all papers necessary in ations when called upon to do so by HGST.
	Signed on the date(s) indicated beside my (our) signature(s).
1)	Signature: Typed Name: Shiwen HUANG	Date:
2)	Signature: Typed Name: Fenglin LIU	Date:
3)	Signature:	Date: <u>10/1/201</u> 3
4)	Signature: Typed Name: Kyusik SHIN	Date:
5)	Signature: Typed Name: Yingjian CHEN	Date:
Dock	et No.: 1154.020US1 (HSJ920H)0005US1)	Page 1 of 1

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METHOD FOR MANUFACTURING WRAPAROUND SHIELD WRITE HEAD USING HARD MASKS

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	will be filed without this executed PATENT hereby authorizes, and requests. ASSIGNEE who are associated with customer number 11 No	'S legal representatives, of Billion & Armnage, 7460, to insert here in parenthesis (U.S. Serial
	was filed on 28 July 2011 and was given U.	S, Serial No. <u>13/193,520</u> ; or
acqu	Whereas, HGST Netherlands B.V., having a plant A. 1101 CM Amsterdam. The Netherlands (here ire the entire right, title and interest in the said application patents to be obtained therefore;	sinafter referred to as "HGS1"), desires to
title forei and forth	Now therefore, for a valuable consideration, receive named, hereby sell, assign, and transfer to HGST and interest in the said application and invention the gn countries, and all rights of priority resulting from we request the Commissioner of Patents to issue and in said application to HGST, its successors and assign for foreign Letters Patent on said invention and we nection with the United States and foreign application.	, its successors and assigns, the entire right, erein disclosed for the United States and in the filing of said United States application, y Letters Patent granted upon the inventions set signs; and we hereby agree that HGST may be will execute all papers necessary in ons when called upon to do so by HGST.
	Signed on the date(s) indicated beside my (our) si	guaturo(s).
1)	Signature: Typed Name: Shiwen HUANG	Date:
2)	Signature: Typed Name: Fenglin LIU	Date:
31	Signature:	Date:
4)	Signature: Argustic Line Typed Name: Kyusik SHIN	Date: 10/25/2013
5)	Signature: Typed Name: Yingjian CHEN	Date:
Doc	ker No. 1154.020US1 (HSJ920110005US1)	PATENTage 1 of 1

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METHOD FOR MANUFACTURING WRAPAROUND SHIELD WRITE HEAD USING

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acq	Whereas, HGST Netherlands B.V., having a mA, 1101 CM Amsterdam, The Netherlands (luire the entire right, title and interest in the said a foreign patents to be obtained therefore;	nereinafter referred to as "HGST"), desires	to
title fore and fort app	Now therefore, for a valuable consideration, revenamed, hereby sell, assign, and transfer to HG and interest in the said application and inventioning countries, and all rights of priority resulting for request the Commissioner of Patents to issue in said application to HGST, its successors and by for foreign Letters Patent on said invention and nection with the United States and foreign application on the date(s) indicated beside my (our	ST, its successors and assigns, the entire ri- therein disclosed for the United States and from the filing of said United States applica any Letters Patent granted upon the invent assigns; and we hereby agree that HGST n I we will execute all papers necessary in ations when called upon to do so by HGST	ght, i ition, ions set nay
1)	Signature: Typed Name: Shiwen HUANG	Date:	
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-y	Signature: Typed Name: Fenglin LIU	Date:	
3)	Signature:	Date:	
4)	Signature: Typed Name: Kyusik SHIN	Date:	
5)	Signature: Typed Name: Yingjian CHEN	$\underline{\hspace{1cm}}_{\text{Datc};} \underline{\hspace{1cm}} \underline{\hspace{1cm}} 10/23/2$	014
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