# 503079981 12/01/2014 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3126585

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY	DATA					
			Name		Execution Date	
YUUZO KAMIGUCHI					07/23/2014	
SATOSHI SHIROTORI					07/23/2014	
SHINOBU SUGIMURA					08/04/2014	
MASAYUKI TAKAGISHI					07/23/2014	
HITOSHI IWASAKI					07/23/2014	
RECEIVING PARTY D	ΑΤΑ					
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City:	TOKY	0				
State/Country:	JAPAN	JAPAN				
PROPERTY NUMBER Property Type		1	Number	]		
		1433				
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ATTORNEY DOCKET I			MJS-4790-113			
NAME OF SUBMITTER:		MICHAEL J. SHEA				
SIGNATURE:		/Michael J. Shea/				
DATE SIGNED:		12/01/2014				
		This document serves as an Oath/Declaration (37 CFR 1.63).				
Total Attachments: 2			1		. ,	
					PATENT	

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### PATENT REEL: 034286 FRAME: 0665

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PATENT REEL: 034286 FRAME: 0666

Toshiba's Ref: 13G067865USA-A

Dos sode: Daih Dosument Description: Deth or destaration filed	t wwyniwor		
•	Attorney Docket Number		
	First Named Inventor	Yuuzo KAMIGUCHI	
INVENTOR'S DECLARATION AND ASSIGNMENT APPLICATION (37 CFR 1.63) USING AN APPLIC	FOR UTILITY OR DE ATION DATA SHEET	SIGN PATENT (37 CFR 1.76)	
Declaration Submitted With Initial Filing			
OR			
Declaration Submitted After Initial Filing (surcharge (37 C.F.R. §	1.16(f)) required)		
SPIN VALVE ELEMENT, HARD DISK HEAD, AND MA REPRODUCING APPARATUS (Title of the Invention)	AGNETIC RECORDIN	G AND	
As a below named inventor, I hereby declare that:			
This declaration is directed to:			
[] The attached application,			
OR United States Application Number or PCT International application number filed on			
The above-identified application was made or authorized to be made by me.			
I believe I am the original inventor or an original joint inventor of a claimed invention in t	the application.		
I hereby acknowledge that any willful faise statement made in this declaration is punish by fine or imprisonment of not more than five (5) years, or both.			
WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the A			
WHEREAS, KABUSHIKI KAISHA TOSHIBA (hereinafter ASSIGNEE), a corporation of Chome, Minato-Ku, Tokyo, Japan, is desirous of acquiring an interest therein;	Japan, having an office and place	of business at 1-1, Shibaura 1-	
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, and interest in the United States of America and all foreign countries, in and to the inverse application and to all subsequent applications based thereon including any and all contra and all resulting patents, together with the right of priority under the International Conver Convention Relating to Patents, Designs and Industrial Models, and any other International and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Interest as ASSIGNEE, its successors, assigns, and legal representatives. It is unders P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE.	assigns, and legal representative inition as described in the aforesait inuations, divisions, releaues, and antion for the Protection of Industri ional agreements to which the Unit Trademarks to issue said Latters tood and agreed that ASSIGNEES with respect to this Invention;	s, ASSIGNOR'S entire right, the i application, and to the said substitutes of said application, al Property, Inter-American ed States of America adheres, Patent to ASSIGNEE, for its S attorneys Nixon & Vanderhye	
ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;			
ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and			
ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.			
AGREED and executed as noted below:			
LEGAL NAME OF SOLE OR FIRST INVENTOR: (E.g., Given Name (first and middle (if any)) and Family Name or Sumame)			
Yuuzo KAMIGUCHI			
Inventor's Signature:	Date: July	23, 2014	
Jumpo Hamiguth			
(Page 1 of 2)			
Note: PTO Rules state "A person may not execute an oath or deplacetion for an application t	unless that person has reviewed and	uncerstands the contents of the	

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56.

#### Toshiba's Ref: 13G067865USA-A DOCKET NO. - - -

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT	ADDITIONAL INVENTOR(S) Supplemental Sheet (for PTO/AIA//03/09) (Pege 2 of 2)

 Legal Name of Additional Joint Inventor, if any:

 (E.g., Given Name (first and middle (if any)) and Family Name or Sumame)

 Satoshi
 SHIROTORI

 Inventor's
 Date:

 Signature:
 July 23, 20150

Legal Name	of Additional Joint Inventor	, if any:	
(E.g., Given I	Name (first and middle (if any))	and Family Name or Surname)	
	Shinobu	SUGIMURA	
Invenior'a Signature:	Shinobu	Lugimura	Date: Aug 4.2014

Legal Name of Additional Joint Inventor, i	fany:	
(E.g., Given Name (first and middle (if any)) a	nd Family Name or Sumame)	
Masayuki	TAKAGISHI	
Inventor's Signature: Massis algorith of Color	™gishi	Date: July 23, 2014

Legal Name of Additional Joint D	nventor, if any:	
(E.g., Given Name (first and middle	(If any)) and Family Name or Sumame)	
Hitoshi	IWASAKI	
Invenior's Signature: Attack (	Ovaski	Date: July 23, 2014

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.58.

### **RECORDED: 12/01/2014**

## PATENT REEL: 034286 FRAME: 0668