# 502507710 09/24/2013

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Takeshi lwasaki	09/13/2013

## RECEIVING PARTY DATA

Name:	Kabushiki Kaisha Toshiba	
Street Address:	1-1, Shibaura 1-Chome	
City:	Minato-ku, Tokyo	
State/Country:	JAPAN	
Postal Code:	105-8001	

# PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14035582	

#### **CORRESPONDENCE DATA**

Fax Number: 9497609502

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

Phone: 9497600404

Email: efiling@knobbe.com

Correspondent Name: Bridget A. Smith

Address Line 1: 2040 Main Street, 14th Floor Address Line 4: Irvine, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	SSTOSH.090AUS
NAME OF SUBMITTER:	Bridget A. Smith
Signature:	/Bridget A. Smith/
Date:	09/24/2013

Total Attachments: 2

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PATENT REEL: 031272 FRAME: 0021

#### ASSIGNMENT

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

MAGNETIC RECORDING MEDIUM AND MAGNETIC RECORDING/REPRODUCTION APPARATUS

have sold and assigned and do hereby sell and assign to KABUSHIKI KAISHA TOSHIBA a Japanese corporation, having a business address at 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one)	[X]	executed concurrently herewith	
		executed on	;
	$\begin{bmatrix} 1 \end{bmatrix}$	Application No.	, filed

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Mr. Irfan Lateef, Knobbe, Martens, Olson & Bear LLP, 2040 Main Street, 14th Floor, Irvine, CA 92614

# ASSIGNMENT

AGG066332-USA-A (13S0501)

[1st Inventor]

Residence Address: Inagi-shi, Japan

Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,

Minato ku, Tokyo 105-8001, Japan

Citizenship: Japan

Takeshi Awasaki

Date:

PATENT REEL: 031272 FRAME: 0023

**RECORDED: 09/24/2013**