PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3014632

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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YOSHIHIRO TAKAHASHI	09/08/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14480763

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DATE SIGNED:	09/09/2014	

Total Attachments: 3

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PATENT 502968033 REEL: 033700 FRAME: 0004

DECLARATION, POWER OF ATTORNEY, AND ASSIGNMENT

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

LOAD TORQUE ESTIMATION APPARATUS, IMAGE FORMING APPARATUS, LOAD TORQUE ESTIMATION METHOD AND NON-TRANSITORY COMPUTER-READABLE INFORMATION RECORDING MEDIUM

As a below named inventor, I hereb	y declare that:
This declaration is	
directed to (check one):	The attached application: or United States application or PCT international application number filed on
The above-identified application was	s made or authorized to be made by me.
I believe that I am the original inver above-identified application.	ntor or an original joint inventor of a claimed invention in the
, , , , , , , , , , , , , , , , , , , ,	ful false statement made in this Declaration and Assignmen I by fine or imprisonment of not more than five (5) years, o
I hereby state that I have review application, including the claims.	ved and understand the contents of the above identified
I acknowledge that I am aware patentability as defined in 37 CFR §	of the duty to disclose information which is material to
F	POWER OF ATTORNEY
This form requires the use of an Applicati	ion Data Sheet.

PATENT REEL: 033700 FRAME: 0005 I hereby appoint the following attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

John A. Castellano Reg. No. 35,094
Donald J. Daley Reg. No. 34,313
Gary D. Yacura Reg. No. 35,416

and all individuals assigned to Customer No. 94055.

CORRESPONDENCE ADDRESS

I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Harness, Dickey & Pierce, P.L.C., Customer No. 94055, P.O. Box 8910, Reston, Virginia, 20195, (703) 668-8000.

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to RICOH COMPANY, LTD., with address at 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555, JAPAN, (hereinafter "Assignee"), and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the above-identified application, to the above-identified application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the above-identified application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by me had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights.

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Attorney Docket No.

I hereby covenant and agree to execute all instruments or documents required or requested for

the making and prosecution of any applications of any type for patent, utility model, or other

similar rights, and for copyright, in the United States and in all foreign countries including, but

not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute

thereof, any derivation proceedings relating thereto, and as to letters patent any supplemental

examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter

partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting

title and to the said invention, the United States application for patent, or Letters Patent therefor,

and to testify in support thereof, for the benefit of Assignee without further or other

compensation than that above set forth.

I hereby covenant that I have not made and will not make any assignment, sale, license,

agreement or encumbrance which would conflict with this Declaration and Assignment.

I hereby request the United States Patent and Trademark Office to issue the Letters Patent of

the United States of America to Assignee, and request that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications

as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to

Assignee.

I hereby grant the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this

Declaration and 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.

Takeo Seki

Sep. 8, 2014

Dated

Joshilia Jakahashi YOSHIHIRO TAKAHASHI

Sep. 8, 2014

Dated

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REEL: 033700 FRAME: 0007