503990222 09/02/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4036879

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TORU YAKU	08/22/2016

RECEIVING PARTY DATA

Name:	MITUTOYO CORPORATION	
Street Address:	20-1, SAKADO 1-CHOME	
Internal Address:	TAKATSU-KU	
City:	KAWASAKI, KANAGAWA	
State/Country:	JAPAN	
Postal Code:	213-8533	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15255712

CORRESPONDENCE DATA

Fax Number: (216)566-9711

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2165669700

Email: almasy@rankinhill.com

Correspondent Name: RANKIN HILL AND CLARK LLP

Address Line 1: 38210 GLENN AVENUE
Address Line 4: WILLOUGHBY, OHIO 44094

ATTORNEY DOCKET NUMBER:	HBI-41524
NAME OF SUBMITTER:	DAVID E. SPAW
SIGNATURE:	/David E. Spaw/
DATE SIGNED:	09/02/2016

Total Attachments: 2

source=41524-Assignment#page1.tif source=41524-Assignment#page2.tif

PATENT 503990222 REEL: 039623 FRAME: 0530

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

ENCODER

that	are the subject	ct of an application	for a U.S. Patent,	(Application	No. <u>15/255712</u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
filed		6), which ar	oplication is further	r identified as	s Rankin, Hill &	Clark
LLP	Docket No.	HBI-41524 ,			i	

WHEREAS, <u>Mitutoyo Corporation</u>, a corporation of Japan, and having a place of business at <u>20-1, Sakado 1-chome, Takatsu-ku, Kawasaki, Kanagawa 213-8533, Japan</u>, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill & Clark LLP 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 United States Patent and Trademark Office for recordation of this document.

REEL: 039623 FRAME: 0531

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

)	Inventor Name (joint): Toru YAKU		
		Jorn Yaku	
	Today's Date: _	August 22, 2016	
	Witness:	***************************************	
	Witness:		

Page 2 of 2
PATENT

REEL: 039623 FRAME: 0532

RECORDED: 09/02/2016