

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3178723

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMIE LYN SHAFFER	01/08/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MITUTOYO CORPORATION
<b>Street Address:</b>	20-1 SAKADO 1-CHOME,
<b>Internal Address:</b>	TAKATSU-KU, KAWASAKI-SHI
<b>City:</b>	KANAGAWA-KEN
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	213-8533
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14581926
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)682-6031
<i>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.</i>	
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<b>Correspondent Name:</b>	SHOKO I. LEEK
<b>Address Line 1:</b>	701 FIFTH AVENUE
<b>Address Line 2:</b>	#5400
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98104
<b>ATTORNEY DOCKET NUMBER:</b>	660051.448
<b>NAME OF SUBMITTER:</b>	SHOKO I. LEEK
<b>SIGNATURE:</b>	/Shoko Leek/
<b>DATE SIGNED:</b>	01/12/2015
<b>Total Attachments: 2</b>	
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source=660051_448_Assignment_#page2.tif	

## WORLDWIDE ASSIGNMENT

WHEREAS, I, Jamie Lyn Shaffer (hereinafter referred to as ASSIGNOR), having a mailing address of c/o Micro Encoder, Inc., 11533 Northeast 118<sup>th</sup> Street, am the sole inventor of an invention entitled "BORE IMAGING SYSTEM," as described and claimed in the specification for which an application for United States letters patent was filed on December 23, 2014, and assigned Application No. 14/581,926;

WHEREAS, Mitutoyo Corporation (hereinafter referred to as ASSIGNEE), a corporation of Japan having a place of business at 20-1 Sakado 1-chome, Takatsu-ku, Kawasaki-shi, Kanagawa-ken, Japan 213-8533, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR hereby sells, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, and including the right to sue and collect damages for past and present infringement of said letters patent; said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer and sale not been made. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters

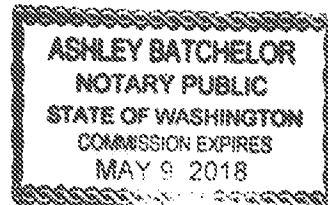
patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

1-8-2015  
Date

Jamie Lyn Shaffer  
Jamie Lyn Shaffer

State of WA  
County of King

ss.



I certify that I know or have satisfactory evidence that Jamie Lyn Shaffer is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 1/8/2015  
Signature of Notary Public [Signature]  
Printed Name Ashley Batchelor  
My appointment expires 5/9/2018

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