

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ERIC PETER GOODWIN	06/16/2015
ZHIQIANG LIU	01/20/2017
RECEIVING PARTY DATA	
Name:	NIKON CORPORATION
Street Address:	SHINAGAWA INTERCITY TOWER C, 2-15-3
Internal Address:	KONAN, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	108-6290
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14736118
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	152833.00052/PA1547
NAME OF SUBMITTER:	YAKOV SIDORIN
SIGNATURE:	/Yakov Sidorin/
DATE SIGNED:	01/20/2017
Total Attachments: 4	
source=152833_00052_Assignment_executed_Goodwin_and_Liu#page1.tif	
source=152833_00052_Assignment_executed_Goodwin_and_Liu#page2.tif	
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Attorney Docket No. 152833.00052/PA1547

ASSIGNMENTASSIGNORS:Eric Peter Goodwin
Zhiqiang LiuASSIGNEE:NIKON CORPORATION
Shinagawa Intercity Tower C, 2-15-3
Konan, Minato-ku
Tokyo, 108-6290, JapanSTATE OF INCORPORATION OF ASSIGNEE: JAPANTITLE: MINIMIZATION OF ABBE ERROR CAUSED BY TIP OR TILT BETWEEN
AN ENCODER HEAD AND A WAFER STAGE FOR ARBITRARY LOCATION OF A
CENTER OF ROTATIONATTORNEY DOCKET NO.: 152833.00052/PA1547APPLICATION NO.: 14/736,118FILING DATE: June 10, 2015

Assignor is a joint inventor of a certain new and useful invention (the "Invention") described in a United States patent application (the "Application") bearing the attorney docket number and title listed above. The application number assigned by the USPTO and filing date of the invention are as shown. If the Application number and filing date are not indicated above, the undersigned hereby authorizes the appointed attorney to add the filing date and serial number of said Application to this document.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including as a divisional, continuation-in-whole or continuation-in-part, or as an application claiming priority from a provisional application); or any application based in whole or in part on any of the foregoing.

Attorney Docket No. 152833.00052/PA1547

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

Each Assignor hereby executes this instrument on the date set forth below.

Date: 6/16/2015


 Eric Peter Goodwin, Assignor

Date: _____

 Zhiqiang Liu, Assignor

ASSIGNMENT

ASSIGNORS:

Eric Peter Goodwin
Zhiqiang Liu

ASSIGNEE:

NIKON CORPORATION
Shinagawa Intercity Tower C, 2-15-3
Konan, Minato-ku
Tokyo, 108-6290, Japan

STATE OF INCORPORATION OF ASSIGNEE: JAPAN

TITLE: MINIMIZATION OF ABBE ERROR CAUSED BY TIP OR TILT BETWEEN AN ENCODER HEAD AND A WAFER STAGE FOR ARBITRARY LOCATION OF A CENTER OF ROTATION

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Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

Each Assignor hereby executes this instrument on the date set forth below.

Date: _____

Eric Peter Goodwin, Assignor

Date: January 20, 2017



Zhiqiang Liu, Assignor