

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	SHANE R. PALMER	11/22/2016
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<b>Name:</b>	NIKON CORPORATION	
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<b>City:</b>	TOKYO	
<b>State/Country:</b>	JAPAN	
<b>Postal Code:</b>	108-6290	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15359312
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<b>ATTORNEY DOCKET NUMBER:</b>	11269.302	
<b>NAME OF SUBMITTER:</b>	STEVEN G ROEDER, REG. NO. 37227	
<b>SIGNATURE:</b>	/Steven G Roeder/	
<b>DATE SIGNED:</b>	11/22/2016	
<b>Total Attachments: 2</b>		
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ASSIGNMENTASSIGNORS:

Shane R. Palmer

ASSIGNEE:

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

STATE OF INCORPORATION OF ASSIGNEE: JAPAN

TITLE: Forced Grid Method for Correcting Mask Patterns for a Pattern Transfer  
Apparatus

ATTORNEY DOCKET NO.: 11269.302NRCA Ref. No.: PA1693APPLICATION NO.: Filed concurrently herewithFILING DATE: November 22, 2016

Assignor is an 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, the serial number of said Application, as well as any further information (that may be necessary or desirable in order to comply with applicable legal requirements) to this document for submission and recordation of this document.

For valuable consideration, receipt of which is acknowledged, 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.

Assignor confirms that at the time the invention was made he/she was under an obligation to assign the invention to the Assignee.

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. 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.

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

Date:

11/22/16



Shane R. Palmer, Assignor