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## RECORDATIC

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PATENTS ONLY

<b>1. Total number of pages including cover sheet, attachments and document: 3</b>	
<b>2. Name of Conveying Party(ies) and Execution Date(s) of Document(s)</b> <input type="checkbox"/> Check here if additional name(s) attached Name(s): (1) Pai-Hsueh Yang and (2) Shiang-Lung Koo Execution Date(s): (1) January 25, 2010 and (2) January 25, 2010	
<b>3. Name and address of receiving party</b> <input type="checkbox"/> Check here if additional name(s) & address(es) are attached Name Nikon Corporation Address 2-3, Marunouchi 3-chome, Chiyoda-ku City Tokyo State/Country Japan Zip 100-831	
<b>4. Nature of Conveyance</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Name Change <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Joint Research Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other:	
<b>5. Total number of applications and patents involved: 1</b>	
<b>6. Total Fee (37 C.F.R. 1.21(h) § 3.41): \$40.00</b> <input checked="" type="checkbox"/> Fee is authorized to be charged to deposit account 02-4550. <input type="checkbox"/> Fee is enclosed.	
<b>7. <input checked="" type="checkbox"/> Check here if any deficiency/overpayment is authorized to be charged to deposit account 02-4550</b>	
<b>8. Enter either the Execution date (of the Declaration and Power of Attorney), Application Number, or the Patent Number. Do not enter more than one number for the same patent.</b> A. <input checked="" type="checkbox"/> This document is being filed with a new application. Execution date is: <u>January 25, 2010</u> B. <input type="checkbox"/> Patent Application No.(s) or Patent No.(s): <input type="checkbox"/> Check here if additional numbers are attached	
<b>9. Correspondent's name, address, and telephone number</b> Donald L. Stephens Jr. Klarquist Sparkman, LLP One World Trade Center, Suite 1600 121 S.W. Salmon Street Portland, Oregon 97204-2988 Telephone: 503-595-5300 Facsimile: 503-595-5301	
<b>10. <input checked="" type="checkbox"/> Please return the attached postcard to confirm that these items have been received.</b>	
<b>11. Statement and signature</b> <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  Donald L. Stephens Jr.  January 27, 2010 Name of Person Signing Signature Date	

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## ASSIGNMENT

WHEREAS, we, Pai-Hsueh Yang, of Palo Alto, California, and Shiang-Lung Koo, of Fremont, California, have invented a certain invention, entitled CONTROL SYSTEMS AND METHODS APPLYING ITERATIVE FEEDBACK TUNING FOR FEED-FORWARD AND SYNCHRONIZATION CONTROL OF MICROLITHOGRAPHY STAGES AND THE LIKE, for which we are making application for Letters Patent of the United States, said application having been executed by us on the 25<sup>th</sup> day of January, 2010; and

WHEREAS, Nikon Corporation, a corporation organized under the laws of Japan, having a place of business at 2-3, Marunouchi 3-chome, Chiyoda-ku, Tokyo, Japan, 100-831, desires to acquire an interest therein:

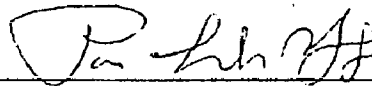
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Pai-Hsueh Yang and Shiang-Lung Koo, hereby sell, assign and transfer to Nikon Corporation, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, patent application(s), and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Nikon Corporation, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Nikon Corporation, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Nikon Corporation, its successors and

assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that at the time the invention was made, we were under an obligation to assign the invention to Nikon Corporation.

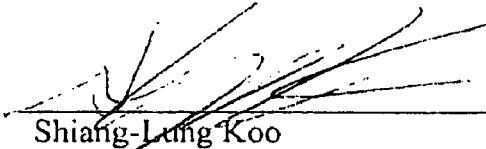
We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.



Pai-Hsueh Yang

At Belmont CA  
(City and State)  
on this 25th day of Jan, 2010.

  
Shiang-Lung Koo

At Belmont CA  
(City and State)  
on this 25th day of Jan, 2010.