|   | OIPE  |  |  |
|---|---|--|--|
| /   | 10-02-2001  |  |  |
|   | SEP 2 1 2001  |  |  |
| FORM PTO-1595   |   |  |  |
| (Rev. 6-93)   | 101863884   |  |  |
| RECORDATION FORMEDVER SHELL<br>PATENTS ONLY   |   |  |  |
|   | Attorney Docket No.: 040808-5108  |  |  |
| To the Commissioner for Patents<br>Please record the attached original documents or copy the  | hereof. ATTN: BOX ASSIGNMENT  |  |  |
| 1. Name of conveying party(ies):  | 2. Name and address of receiving party(ies):  |  |  |
| 1) Hiroyuki ABE<br>2) Takehiko UEDA   | Name: Nikon Corporation<br>Internal Address:  |  |  |
| Additional names of conveying party(ies) attached?<br>[] Yes [X] No   |   |  |  |
|   | Street Address: 2-3, Marunouchi 3-chome, Chiyoda-ku,<br>Tokyo 100-8331 Japan  |  |  |
| 3. Nature of conveyance:  | City:<br>State: Zip:  |  |  |
| [X] Assignment[] Merger[] Security Agreement[] Change of Name[] Other   | Additional name(s) & address(es) attached?  |  |  |
| Execution Date: <u>1) May 8, 2001 and 2) May 7, 2001</u>  | []Yes []No  |  |  |
| 4. New Application number(s) or patent number(s): 0   | 9/819,977   |  |  |
| If this document is being filed together with a new appli<br>A. Patent Application No.(s)   | ication the execution date of the application is:<br>B. Patent No.(s)   |  |  |
| Additional numbers attached: [] Yes [] No   |   |  |  |
| 5. Name and address of party to whom correspondenc concerning document should be mailed:  | ce 6. Total number of applications and patents involved:  |  |  |
| Name: Robert J. Goodell   | 7. Total fee (37 C.F.R. §3.41): <u>\$40.00</u><br>[X] Enclosed  |  |  |
| Internal Address: Morgan, Lewis & Bockius LLP<br>Customer No. 09629   | <ol> <li>[ ] Authorized to be charged to Deposit Account 50-0310</li> <li>8. Deposit Account No. 50-0310</li> </ol> |  |  |
| Street Address: 1800 M Street, N.W.<br>City: Washington State: D.C. Zip: 20036  | (Attach duplicate page if paying by deposit account)  |  |  |
| 9. Statement and Signature<br>To the best of my knowledge and belief, the foregoing it<br>copy of the original document.  | information is true and correct and any attached copy is a true   |  |  |
| Robert J. Goodell Reg. No. 41,040YuleName of Person SigningSignaturTota   | re <u>September 21, 2001</u><br>Date<br>In number of pages including cover sheet, attachments and documents: 2      |  |  |
| 24/2001 BSAYASI1 00000055 09819977  |   |  |  |
|   |   |  |  |
| FC:581 40.00 OP   |   |  |  |
| $\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i$ |   |  |  |
| 1-WA/1678116.1  | DATENT  |  |  |

PAIENI REEL: 012200 FRAME: 0527 25 2001 11:24 FR 72

ATTORNEY DOCKET NO.: 040808-5108 SOLE/JOINT INVENTION (U.S. Rights Only)

## ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled;

## PROCESS END POINT DETECTION APPARATUS AND METHOD, POLISHING APPARATUS, SEMICONDUCTOR DEVICE MANUFACTURING METHOD, AND RECORDING MEDIUM RECORDED WITH SIGNAL PROCESSING PROGRAM

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on <u>March 29, 2001</u>, (Application No. ); and

WHEREAS, <u>NIKON CORPORATION</u>, a corporation of <u>JAPAN</u>, whose post office address is <u>2-3</u>, <u>Manunouchi 3-chome</u>, <u>Chivoda-ku</u>, <u>Tokyo 100-8331 Japan</u> (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignot(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 09/819.977, filed <u>March 29, 2001</u>) the filing date and application number of said application when known.

| Full Name of First Assignor<br>Hiroyuki ABE                            | Assignor's Signature<br>Hiroyuki Ale | Date May & 2001 |
|--|--------------------------------------|-----------------|
| Address c/o Nikon Corporation (Intellectual Property Department), 2-3, |                                      | Citizenship     |
| Manmouchi 3-chome, Chiyoda-ku, Tokyo 100-8331 Japan                    |                                      | Japan           |
| Full Name of Second Assignor   | Assignor's Signature                 | Date            |
| Takehiko UEDA  | Takehiko Vedec                       | May 7 2001      |
| Address c/o Nikon Corporation (Intellectual Property Department), 2-3, |                                      | Citizenship     |
| Marunouchi 3-chome, Chiyoda-ku, Tokyo 100-8331 Japan                   |                                      | Japan           |
| Names of additional inventors attached []Yes [X]No                     |                                      |                 |

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

1-WA/1565085.1

Morgan, Lewis & Bockius LLP

\*\* TOTAL PAGE.06 \*\*

## PATENT REEL: 012200 FRAME: 0528

**RECORDED: 09/21/2001**