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OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

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PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying party(ies)

- (1) Masami Yonekawa
- 
- (2) Shinichi Hara
- 
- (3) Ryo Edo

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 10/04/2005

- ☒
- Assignment
- ☐
- Merger
- 
- ☐
- Security Agreement
- ☐
- Change of Name
- 
- ☐
- Joint Research Agreement
- 
- ☐
- Government Interest Assignment
- 
- ☐
- Executive Order 9424, Confirmatory License
- 
- ☐
- Other

## 2. Name and address of receiving party(ies)

Name: Canon Kabushiki Kaisha

Internal Address: \_\_\_\_\_

Street Address: 3-30-2, Shimomaruko

City: Ohta-Ku

State: Tokyo

Country: Japan Zip: 146-0092

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

10/24/2005 DBYNE 00000064 502456 11250072

01 FC:0021 40.00 DA

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address to whom correspondence concerning document should be mailed:

Name: Canon U. S. A., Inc. / IP Division

Internal Address: \_\_\_\_\_

Street Address: 15975 Alton Parkway

City: Irvine

State: California Zip: 92618-3731

Phone Number: 408-468-2517, 949-932-3329

Fax Number: 949-932-3560

Email Address: \_\_\_\_\_

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00

- ☐
- Authorized to be charged by credit card
- 
- ☒
- Authorized to be charged to deposit account
- 
- ☐
- Enclosed
- 
- ☐
- None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 502456

Authorized User Name John P. Keady

## 9. Signature:

Signature

John P. Keady

Name of Person Signing

11/07/2005

Date

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450PATENT  
REEL: 017113 FRAME: 0181

**JOINT**  
(BEFORE APPLICATION FILED)

**ASSIGNMENT**

**Edo** FOR VALUE RECEIVED, WE **Masami Yonekawa, Shinichi Hara, and Ryo**  
citizens of **Japan**

hereby sell, assign, transfer and convey unto **CANON KABUSHIKI KAISHA**

a corporation of **Japan**

having a place of business at **3-30-2, Shimomaruko, Ohta-ku, Tokyo, Japan**

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

**APPARATUS AND METHOD FOR REMOVING CONTAMINANT ON  
ORIGINAL, METHOD OF MANUFACTURING DEVICE, AND ORIGINAL**

and described in an application for Letters Patent of the United States which is filed concurrently herewith and was executed by us, respectively, in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

By: Masami Yonekawa  
Masami Yonekawa

Date: October 4, 2005

By: Shinichi Hara  
Shinichi Hara

Date: October 4, 2005

By: Ryo Edo  
Ryo Edo

Date: October 4, 2005