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ORDINATION

Atty. Docket: 35.G1851

To Commissioner of Patent

100784709

and original documents or copy thereof.

MRP 7-31-98

1. Name of conveying party(ies):

1) Makoto KASHIMURA;  
2) Shigeyoshi ONODA;  
3) Haruo UCHIDA; and  
4) Kazuo OHYAMA

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

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

Name: CANON KABUSHIKI KAISHA

Foreign Address: 30-2, 3-chome, Shimomaruko, Ohta-ku  
Tokyo, Japan

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: 1) July 7, 1998; 2) July 6, 1998;  
3) July 9, 1998; and 4) July 7, 1998

Domestic Address: \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

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

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application Number: 08/771,307  
Filing Date: December 20, 1996

Additional numbers attached?  Yes  No

B. Title of Invention: \_\_\_\_\_

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

Name: Fitzpatrick, Cella, Harper & Scinto  
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6. Number of applications and patents involved:  
One

7. Total fee (37 CFR 3.41) \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number (for deficiency or excess)  
06-1205  
(Attach duplicate copy of this page if paying by deposit account):

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and the attached is the original document or is a true copy of the original document.*

Mark A. Williamson - Reg. No. 33,628 [Signature] July 31, 1998  
Name of Person Signing Signature Date

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

JOINT  
(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, Makoto Kashimura, Shigeyoshi Onoda, Haruo Uchida  
and Kazuo Chiyama

citizens of Japan

residing, respectively at 2-22-2-511, Senuchaya, Konan-ku, Yokohama-shi,  
Kanagawa-ken, Japan;  
5-20-7, Kirigacka, Midori-ku, Yokohama-shi, Kanagawa-ken,  
Japan;  
2637-2-205, Shinyoshida-cho, Kohoku-ku, Yokohama-shi,  
Kanagawa-ken, Japan;  
3-13-5, Jindaiji, Mitaka-shi, Tokyo, Japan

herby sell, assign, transfer and convey unto Canon Kabushiki Kaisha

a corporation of Japan

having a place of business at 30-2, Shimomaruto 3-chome, Ohta-ku, Tokyo, Japan

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

PRINTING APPARATUS AND METHOD

and described in an application for Letters Patent of the United States filed by us on December 20, 1996

and which has been accorded Application No. 08/710,307

and 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 we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to  
issue all Letters Patent upon said inventions to the Assignee or to such nominee as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form 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 any convention which may hereafter 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 legal and formal equivalent of any assignment, consent to file or  
like document which may be required in the United States for any purpose and more particularly in proof of the right of 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 hereafter 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, to 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 protection for said inventions in the United States.

By: Makoto Kashimura  
Makoto Kashimura

Date: July 17, 1998

By: Shigeyoshi Onoda  
Shigeyoshi Onoda

Date: July 17, 1998

By: Haruhiko Uchida  
Haruo Uchida

Date: July 9 1998

By: Kazuo Ohyama  
Kazuo Ohyama

Date: July 17 1998