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To the Honorable Commissioner of Patents

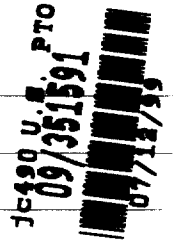
ached original documents or copy thereof.

1. Name of conveying party(ies):
Tsuneyoshi Takagi
Yuichi Bannai

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

Name: **Canon Kabushiki Kaisha**

Internal Address:



Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Street Address: **30-2, Shimomaruko 3-chome**
Ohta-ku, Tokyo 146-8501, Japan

City: State: ZIP:

Execution Date: **July 6, 1999**

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

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: **July 6, 1999**

A. Patent Application No.(s)

B. Patent No.(s)

09/351591

Additional numbers attached? Yes No

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

Name: **John J. Torrente**

Internal Address: **Robin, Blecker & Daley**

Street Address: **330 Madison Avenue**

City: **New York** State: **NY** ZIP: **10017**

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

7. Total fee (37 CFR 3.41):.....\$ **40.00**

- Enclosed - Any excess or insufficiency should be credited or debited to deposit account
- Authorized to be charged to deposit account

8. Deposit account number:

18-1644

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9. Statement and signature.

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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.

John J. Torrente

John J. Torrente

July 12, 1999

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **2**

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JOINT
(BEFORE APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, Tsuneyoshi TAKAGI and Yuichi BANNAI

citizens of Japan

residing respectively at

5-10-12-304, Nakanoshima, Tama-ku, Kawasaki-shi, Kanagawa-ken, Japan; and
3-8-9-213, Honcho, Koganei-shi, Tokyo, Japan

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

a corporation of Japan

having a place of business at

30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501, 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

CONTROL APPARATUS, CONTROL SYSTEM, CONTROL METHOD AND STORAGE MEDIUM OF THE SAME

and described in an application for Letters Patent of the United States executed by each of us, respectively, on the date indicated below 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 for 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 nominee to invoke and claim for any application for patent or other form of protection for said inventions, 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 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 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 nominee 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 nominee 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 nominee in obtaining, maintaining and enforcing all lawful patent protection for said inventions in the United States.

By: Tsuneyoshi Takagi
Tsuneyoshi TAKAGI

Date: July 6, 1999

By: Yuichi Bannai
Yuichi BANNAI

Date: July 6, 1999

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____