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INATION

Atty. Docket:

original documents or copy thereof.

To the Director, U.S. Patent and

1. Name of conveying party(ies):
 KAZUAKI TASHIRO
 NORIYUKI KAIFU
 OSAMU YUKI

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

Name: CANON KABUSHIKI KAISHA

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: July 25, 2002; July 25, 2002; July 31, 2002

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: 10/143,785
 Filing Date: May 14, 2002

Additional numbers attached? Yes No

B. Title of Invention:
IMAGE PICKUP APPARATUS

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

Name: Fitzpatrick, Cella, Harper & Scinto
30 Rockefeller Plaza
New York, New York 10112-3801

Telephone No.: (212) 218-2100
 Facsimile No.: (212) 218-2200

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.

John A. Krause [Signature] 8/16/02
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: 3

08/22/2002 DEYRNE 00000261 10143785
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JOINT
(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, Kazuaki Tashiro, Noriyuki Kaifu and Osamu Yuki
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 the United States,
in and to certain inventions relating to

IMAGE PICKUP APPARATUS

and described in an application for Letters Patent of the United States filed by us on May 14, 2002
and which has been accorded Application No. 10/143,785

and in and to said application, and all divisions, 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 nominees 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 or 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 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 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 protection for said inventions in the United States.

By: Kazuaki Tashiro
Kazuaki Tashiro

Date: July 25, 2002

By: Noriyuki Kaifu
Noriyuki Kaifu

Date: July 25, 2002

By: Osamu Yuki
Osamu Yuki

Date: July 31, 2002

By: _____

Date: _____

By: _____

Date: _____