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v. Docket:03500.108837.

To the Director, U.S. Patent and Trademark Off

ments or copy thereof.

1. Name of conveying party(ies):

102923168

ing party(ies):

HIROKI HIYAMA  
AKIRA OKITA  
HIDEAKI TAKADA

1/7/05

Name: CANON KABUSHIKI KAISHA

112914 U.S. PTO  
11/030074

010705

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

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

Tokyo, Japan

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

Domestic Address:

Execution Date: December 21, 2004

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: December 21, 2004

A. Patent Application Number: N.Y.A.  
Filing Date: Herewith

B. Title of Invention: PHOTOELECTRIC CONVERSION  
DEVICE AND IMAGE PICKUP SYSTEM USING THE  
PHOTOELECTRIC CONVERSION DEVICE

Additional numbers attached?  Yes  No

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

6. Number of applications and patents involved:

Name: Fitzpatrick, Cella, Harper & Scinto  
30 Rockefeller Plaza  
New York, New York 10112-3800

One

Telephone No.: (212) 218-2100

Facsimile No.: (212) 218-2200

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

Name of Person Signing

*John A. Krause*

Signature

January 6, 2005

Date

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

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PATENT  
REEL: 016155 FRAME: 0901

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**JOINT**  
(BEFORE APPLICATION FILED)

*ASSIGNMENT*

FOR VALUE RECEIVED, WE **Hiroki Hiyama, Akira Okita and Hideaki Takada**

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

**PHOTOELECTRIC CONVERSION DEVICE AND IMAGE PICKUP SYSTEM USING THE PHOTOELECTRIC CONVERSION DEVICE**

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.

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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: Hiroki Hiyama  
Hiroki Hiyama

Date: December 21, 2004

By: Akira Okita  
Akira Okita

Date: December 21, 2004

By: Hideaki Takada  
Hideaki Takada

Date: December 21, 2004