

09-09-2002



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PATENT TRADEMARK OFFICE

Atty. Docket No. 1232-4905



102215189

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<p>1. Name of conveying party(ies): Kazuaki TASHIRO Noriyuki KAIFU Shin KIKUCHI Tomoyuki NODA</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: Canon Kabushiki Kaisha Address: 3-30-2, Shimomaruko, Ohta-ku, Tokyo, JAPAN</p> <p>Additional name(s) &amp; addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Other</p> <p>Execution Date(s): August 26, 2002</p>	<p>4. Patent Application number(s)  10/231243 Filing Date: Herewith</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Morgan &amp; Finnegan LLP Address: 345 Park Avenue New York, NY 10154-0053 Telephone: 212-758-4800 Facsimile: 212-751-6849</p>	<p>6. Total number of applications involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><input type="checkbox"/> Charge to Deposit Account No.: 13-4500, Order No. ____.</p> <p><input checked="" type="checkbox"/> Charge any deficiencies to Deposit Account 13-4500, Order No. 1232-4905. (A duplicate copy of this sheet is enclosed)</p>

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## 8. Statement and signature.

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

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Date:

Joseph A. Calvaruso

August 29, 2002

Reg. No. 28,287

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**PATENT**  
**REEL: 013253 FRAME: 0537**

**JOINT**  
(BEFORE APPLICATION FILED)

**ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES**

FOR VALUE RECEIVED, WE, **Kazuaki Tashiro, Noriyuki Kaifu, Shin Kikuchi and Tomoyuki Noda**

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 SENSOR, IMAGE-SENSING APPARATUS USING THE IMAGE SENSOR, AND IMAGE-SENSING SYSTEM**

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, 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 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, 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 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: August 26, 2002

By: Noriyuki Kaifu  
Noriyuki Kaifu

Date: August 26, 2002

By: Shin Kikuchi  
Shin Kikuchi

Date: August 26, 2002

By: Tomoyuki Noda  
Tomoyuki Noda

Date: August 26, 2002