



04-10-2009



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U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08372.0017-00
08372.0017-01
08372.0018-00
08372.0019-00
08372.0027-00

Attorney Customer Number: 22,852

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

ATTN. BOX ASSIGNMENTS RECORDATION
SERVICES

1. Name of conveying party(ies): Fusayoshi HIROTSU	2. Name and address of receiving party(ies): Name: KENZAN Co., Ltd.
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Additional name(s) of conveying party(ies) attached? Yes No Internal Address:

3. Nature of conveyance:	Street Address: 2-6, Hanatachibana 1-chome Shingumachi, Kasuya-gun, Fukuoka 811-0103, JAPAN
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Assignment Merger

City:

Security Agreement Change of Name

State: Zip Code:

Other:

Additional name(s) & Address(es) attached?

Execution Date: March 19, 2009 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:

A. Patent Application Number(s): 12/227,159

B. Patent Number(s): 7,435,935, 7,247,828,
7,057,239, 7,193,275

Additional numbers attached? Yes No

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

Name: Mr. David W. Hill

6. Total number of applications and registrations involved:
5

7. Total fee (37 CFR 3.41): \$200

Enclosed (Please charge deficiency to deposit account)
 Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 901 New York Avenue, NW

City: Washington, D.C.

State: Zip: 20001-4413

8. Deposit Account No.: 06-0916

9. Statement and signature.

04/09/2009 HJAMA1 00000049 7057239

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

David W. Hill

/David W. Hill/

April 7, 2009

Registration No. 28,220

Signature

Date

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

ASSIGNMENT

WHEREAS, the Assignor, **Fusayoshi HIROTSU**, a resident of Japan, whose post office address is 2-6, Hanatachibana 1-chome, Shingumachi, Kasuya-gun, Fukuoka 811-0103, JAPAN, owns, by assignment, all right, title, and interest in:

U.S. Patent No. 7,435,935, entitled SEMICONDUCTOR IMAGE PICKUP DEVICE WITH DUAL CURRENT GENERATION CIRCUIT CAPABLE OF SENSING LIGHT OVER WIDER RANGE, and any invention claimed therein; said ownership being acquired by way of an Assignment recorded in the United States Patent and Trademark Office on February 7, 2005, at Reel No. 016235, Frame No. 0484;

U.S. Patent No. 7,247,828, entitled SEMICONDUCTOR PICKUP DEVICE COMPRISING PIXEL CIRCUITS HAVING A VARYING FRAME RATE, and any invention claimed therein; said ownership being acquired by way of an Assignment recorded in the United States Patent and Trademark Office on April 7, 2005, at Reel No. 016458, Frame No. 0424;

U.S. Patent No. 7,057,239, entitled SEMICONDUCTOR DEVICE ALLOWING MODULATION OF A GAIN COEFFICIENT AND A LOGIC CIRCUIT PROVIDED WITH THE SAME, and any invention claimed therein; said ownership being acquired by way of an Assignment recorded in the United States Patent and Trademark Office on February 3, 2004, at Reel No. 014958, Frame No. 0751;

U.S. Patent No. 7,193,275, entitled SEMICONDUCTOR DEVICE ALLOWING MODULATION OF A GAIN COEFFICIENT AND A LOGIC CIRCUIT PROVIDED WITH THE SAME, and any invention claimed therein; said ownership being acquired by way of an Assignment recorded in the United States Patent and Trademark Office on February 3, 2004, at Reel No. 014958, Frame No. 0751; and

U.S. Patent Application No. 12/227,159 filed on November 10, 2008, entitled SEMICONDUCTOR IMAGE SENSING DEVICE, and any invention claimed therein; said ownership being acquired by way of an Assignment recorded in the United States Patent and Trademark Office on November 10, 2008, at Reel No. 021832, Frame No. 0777;

WHEREAS the Assignee, **KENZAN CO., LTD.**, a corporation of Japan, whose post office address is 2-6, Hanatachibana 1-chome, Shingumachi, Kasuya-gun, Fukuoka 811-0103, JAPAN, is desirous of acquiring the entire right, title, and interest in and to the invention covered by U.S. Patent Nos. 7,435,935, 7,247,828, 7,057,239, 7,193,275, and U.S. Patent Application No. 12/227,159, all divisions thereof, and all continuations thereof, which have been or may be granted thereon, and all reissues thereof;

NOW THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, Assignor hereby sells, assigns and transfers to the Assignee, its lawful successors and assigns, its entire right, title, and interest in and to this invention, this United States patent application, all divisions thereof, all continuations thereof, and all

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United States Letters Patent which have been or may be granted thereon, and all reissues thereof; and Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue all subsequent Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with the present assignment and sale; and Assignor further covenants that Assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to said patent application, Letters Patent and/or the invention described therein as may be known and accessible to the Assignor and will testify as to the same in any litigation related thereto and will promptly execute and deliver to Assignee or its legal representative any and all papers, instruments or affidavits required to maintain and enforce any patents for any invention cover by this application which may be necessary or desirable to carry out the purposes of this assignment.

IN TESTIMONY WHEREOF, the undersigned has caused this Assignment to be signed and executed.

Fusayoshi HIROTSU

Signature: *Fusayoshi Hirotsu*
Name: **Fusayoshi HIROTSU**
Date: March 19, 2009