

07-13-2006

Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027 (exp. 6/30/2005)



U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Attorney Docket No. 512.46234X00

103273575

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

1. Name of conveying party(ies):  
Fumio TAKAMURA  
Haruo FUKAWA

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

2. Name and address of receiving party(ies)  
Name: **NEW JAPAN RADIO CO., LTD.**

Street Address: **3-10, Nihonbashi Yokoyama-cho  
Chuo-ku, Tokyo-to, Japan**

City: State: Zip:

3. Nature of conveyance/ Execution Date: **March 20, 2006,  
March 20, 2006.**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other .

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

4. Application number(s) or patent number(s):  
application **July 6, 2006.**

☐ This document is being filed together with a new

A. Patent Application No.(s)

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No

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

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

**1300 NORTH 17<sup>TH</sup> STREET - SUITE 1800**City: **ARLINGTON** State: **VA** Zip **22209**Phone Number: **(703) 312-6600**Facsimile Number: **(703) 312-6666**Email Address: **email@antonelli.com**6. Total number of applications and patents involved **1**7. Total fee (37 CFR 3.41)..... **\$40.00**

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information:

a. Credit Card Last 4 numbers: 1156  
Expiration date: 06/09

b. Deposit account number: 01-2135

Authorized User Name: Alfred A. Stadnicki

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9. 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 the original document.*

Ronald J. Shore, Reg#28,577

Name of Person Signing

*Ronald J. Shore*  
Signature

07/06/2006

Date

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

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**PATENT**  
**REEL: 018046 FRAME: 0866**

# ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to NEW JAPAN RADIO CO., LTD. of 3-10, Nihonbashi Yokoyama-cho, Chuo-ku, Tokyo-to, Japan its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

## METHOD OF MANUFACTURING SEMICONDUCTOR PHOTODETECTOR

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, Serial No. \_\_\_\_\_ filed \_\_\_\_\_, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said NEW JAPAN RADIO CO., LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said NEW JAPAN RADIO CO., LTD.

(Full Name)

(Signature)

- 1) Date March 20, 2006 Inventor Fumio Takamura Fumio Takamura  
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- 3) Date \_\_\_\_\_ Inventor \_\_\_\_\_  
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- 4) Date \_\_\_\_\_ Inventor \_\_\_\_\_  
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Witness(es)

- All) Michiya Takahashi 2) \_\_\_\_\_ 4) \_\_\_\_\_  
 1) \_\_\_\_\_ 3) \_\_\_\_\_ 5) \_\_\_\_\_