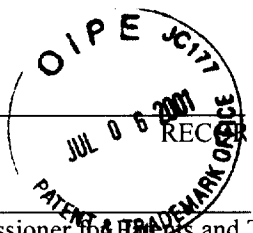
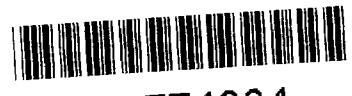


7.6.01



07-12-2001



101774884

FORM PTO-1596  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 50395-088

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Party(ies):  
(1) Toshiaki OKUNO, (2) Eisuke SASOAKA, (3) Masayuki NISHIMURA, and (4) Shigeru TANAKA  
Additional name(s) of conveying party(ies) attached?  Yes

2. Name and address of receiving party(ies):  
Name: SUMITOMO ELECTRIC INDUSTRIES, LTD.  
Address: 5-33 Kitahama 4-chome  
Chuo-ku, Osaka-shi  
Osaka, JAPAN 541-0041

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: May 31, 2001

Additional name(s) & address(es) attached?  Yes

4. Application number(s) or patent number(s):  
If the document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No(s).  
09/788,659

B. Patent No(s).  
Additional numbers attached?  Yes

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: MCDERMOTT, WILL & EMERY  
Internal Address:  
Street Address: 600 13<sup>th</sup> Street, N.W.  
City: Washington State: DC Zip: 20005

6. Total number of applications and patents involved:  
7. Total fee (37 CFR 3.41) \$40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
500417

DO NOT USE THIS SPACE

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.*  
Arthur J. Steiner Reg. No. 26,106 July 6, 2001  
Name and Registration No. of Person Signing Signature Date  
Total number of pages comprising cover sheet: 3

CMB No. 0851-0011 (exp. 4/94)

07/11/2001 DBYRNE 00000214 500417 09788659  
01 FC:581 40.00 CH

100261-08-08  
June 1/

Docket No.: 50395-088

**ASSIGNMENT**

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- |                               |                           |
|-------------------------------|---------------------------|
| (1) <u>Toshiaki OKUNO</u>     | (4) <u>Shigeru TANAKA</u> |
| (2) <u>Eisuke SASAOKA</u>     | (5) _____                 |
| (3) <u>Masayuki NISHIMURA</u> | (6) _____                 |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

SUMITOMO ELECTRIC INDUSTRIES, LTD.

5-33, Kitahama 4-chome

Chuo-ku, Osaka-shi

Osaka, 541-0041 Japan

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

RAMAN AMPLIFYING CONTROL UNIT AND OPTICAL TRANSMISSION SYSTEM

(a) for which an application for United States Letters Patent was filed on February 21, 2001, and identified by United States Serial No. 09/788,659; or

(b) for which an application for United States Letters Patent was executed on ,

and the undersigned hereby authorize and request the United States Commissioner for Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

