

09-26-2001

FORM PTO-1596  
1-31-92

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 50395-113

101855898  
PATENTS ONLY

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

## 1. Name of Conveying Parties:

Shinji ENDO, and Motoki KAKUI

Additional names of conveying parties attached? ☒ Yes

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: August 29, 2001

## 2. Name and address of receiving party:

Name: SUMITOMO ELECTRIC INDUSTRIES, LTD.

Address: 5-33, Kitahama 4-Chome

Chuo-Ku, Osaka-Shi

Osaka 541-0041, JAPAN

Additional name & address attached? ☐ Yes

## 4. Application number or patent number:

If the document is being filed together with a new application, the execution date of the application is: August 29, 2001

A. Patent Application No.

B. Patent No.

Additional numbers attached? ☐ Yes

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

Name: MCDERMOTT, WILL &amp; 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: 1

## 7. Total fee (37 CFR 3.41)

\$40.00

☐ Enclosed☒ Authorized to be charged to deposit account

## 8. Deposit account number:

500417

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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.*

Keith E. George, No. 34,111

Name and Registration No. of Person Signing

Signature

September 18, 2001

Date

Total number of pages comprising cover sheet:

1

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

09/25/2001 TDIAGZ1 00000033 500417 09954260  
01 FC:581 40.00 CHPATENT  
REEL: 012182 FRAME: 0554

**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>Shinji ENDO</u>	(5) _____
(2) <u>Motoki KAKUI</u>	(6) _____
(3) _____	(7) _____
(4) _____	

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

Sumitomo Electric Industries, Ltd. of 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

OPTICAL AMPLIFIER AND OPTICAL TRANSMISSION SYSTEM USING SAME

(a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_; 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 of 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 an 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.

SIGNED on the dated indicated aside our signatures:

INVENTORS

DATE SIGNED

1) <u>Shinji Endo</u>	<u>8/29/2001</u>
Name: Shinji ENDO	
2) <u>Motoki Kakui</u>	<u>Aug, 29, 2001</u>
Name: Motoki KAKUI	
3) _____	_____
Name: _____	
4) _____	_____
Name: _____	
5) _____	_____
Name: _____	
6) _____	_____
Name: _____	
7) _____	_____
Name: _____	