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FORM PTO-1595
(Rev. 10/02)

REC

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 50395-296

102897963

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

1. Name of Conveying Party(ies): Motoki KAKUI and Chic FUKUDA		2. Name and address of receiving party(ies): Name: SUMITOMO ELECTRIC INDUSTRIES, LTD. Address: 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 JAPAN	
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: November 15, 2004		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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). 10/933,477, filed September 3, 2004 B. Patent No(s).			
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP Internal Address: Street Address: 600 13th Street, N.W. City: Washington State: D. C. Zip: 20005-3096		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 500417	

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9. Statement and signature. <i>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.</i>	
Arthur J. Steiner, Registration No. 26,106	
Name and Registration No. of Person Signing	Signature
	Date December 6, 2004
Total number of pages including cover sheet: 2	
OMB No. 0651-0027 (exp. 6/30/2005)	

12/08/2004 GTOW11 00000127 500417 10933477

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PATENT
REEL: 016046 FRAME: 0365

Docket No.: 50395-296**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>Motoki KAKUI</u>	(5) _____
(2) <u>Chie FUKUDA</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

OPTICALLY AMPLIFYING WAVEGUIDE, OPTICAL AMPLIFIER MODULE, AND OPTICAL COMMUNICATION SYSTEM

(a) for which an application for United States Letters Patent was filed on September 3, 2004, and identified by United States Serial No. 10/933,477; 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) Motoki Kakui
Name: Motoki KAKUI

Nov. 15, 2004

2) Chie Fukuda
Name: Chie FUKUDA

Nov. 15, 2004

3) _____
Name: _____

4) _____
Name: _____

5) _____
Name: _____

6) _____
Name: _____

7) _____
Name: _____