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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

1-31-92 Docket No.: 50395-071 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto: 1. Name of Conveying Party: 2. Name and address of receiving party: Satoshi OOE Name: Sumitomo Electric Industries, Ltd. Address: 5-33, Kitahama 4-chome Additional name(s) of conveying party(ies) attached? Yes Chuo-ku, Osaka-shi 3. Nature of Conveyance: Osaka, 541-0041, Japan ☐ Merger Security Agreement ☐ Change of Name Other Execution Date: September 18, 2000 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: September 18, 2000 A. Patent Application No(s). B. Patent No(s). Additional numbers attached? Yes 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: \$40.00 7. Total fee (37 CFR 3.41) Name: MCDERMOTT, WILL & EMERY Enclosed Internal Address: Authorized to be charged to deposit account 8. Deposit account number: 600 13th Street, N.W. Street Address: 500417 Zip: 20005 DC Washington State: City: 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. October 4, 2000 Gene Z. Rubinson, 33,351 Date Name and Registration No. of Person Signing Total number of pages comprising cover sheet:

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

FORM PTO-1596

PATENT REEL: 011201 FRAME: 0223

Docket No.: **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) Satoshi OOE (4) (2)(5) (3)(6)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 PACKAGE FOR OPTICAL COMMUNICATIONS MODULES for which an application for United States Letters Patent was filed on ______, and identified by United States Serial (a) (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: DATE SIGNED **INVENTORS** 1) Sep. 18,2000 Satoshi Name: Satoshi OOE Name: 3) Name: 4) Name: 5) Name: Name:

RECORDED: 10/04/2000