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FORM PTO-1596  
1-31-92U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 49677-048

101178985

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

|   |  |   |  |
|---|--|---|--|
| 1. Name of Conveying Parties:<br>Hideya KONDA, Kazuki SOGABE, and Shoji SUGINO<br><br>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes   |  | 2. Name and address of receiving parties:<br>Name: 1. SUMITOMO ELECTRIC INDUSTRIES, LTD.<br>Address: 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi<br>Osaka, JAPAN<br>2. SUNCALL CORPORATION<br>14, Nishiuracho, Umezu, Ukyo-ku, Kyoto-shi,<br>Kyoto, JAPAN<br><br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes |  |
| 3. Nature of Conveyance:<br><br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br><input checked="" type="checkbox"/> Other To correct spelling of first assignee's name.<br>Execution Date: April 22, 1999  |  |   |  |
| 4. Application number(s) or patent number(s):<br>If the document is being filed together with a new application, the execution date of the application is:<br>A. Patent Application No(s).<br>09/304,950<br>B. Patent No(s).<br><br>Additional numbers attached? <input type="checkbox"/> Yes   |  |   |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:<br>Name: MCDERMOTT, WILL & EMERY<br>Internal Address:<br><br>Street Address: 600 13 <sup>th</sup> Street, N.W.<br><br>City: Washington      State: DC      Zip: 20005   |  | 6. Total number of applications and patents involved: 1<br><br>7. Total fee (37 CFR 3.41) \$40.00<br><input type="checkbox"/> Enclosed<br><input checked="" type="checkbox"/> Authorized to be charged to deposit account<br>8. Deposit account number:<br>500417<br><br><i>Charge 40</i>   |  |
| DO NOT USE THIS SPACE   |  |   |  |
| 9. Statement and signature.<br><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><br><br><div style="display: flex; justify-content: space-between;"> <div>Gene Z. Robinson, Reg. # 33,351</div> <div></div> <div>August 12, 1999</div> </div> |  |   |  |
| Name and Registration No. of Person Signing   |  | Signature   |  |
|   |  | Date  |  |
|   |  | Total number of pages comprising cover sheet: 1   |  |
| CMB No. 0851-0011 (exp. 4/94)   |  |   |  |

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) Hideya KONDA  
(2) Kazuki SOGABE  
(3) Shoji SUGINO

(4) \_\_\_\_\_  
(5) \_\_\_\_\_  
(6) \_\_\_\_\_

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

1). SUMITOMO ELECTRIC INDUSTRIES, LTD. of 5-33, Kitahama 4-chome, Chuo-ku,  
Osaka-shi, Osaka, Japan and  
2). SUNCALL CORPORATION of 14, Nishiuracho, Umezu, Ukyo-ku, Kyoto-shi,  
Kyoto, 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

MULTI-CORE-FIBER OPTICAL CONNECTOR

(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 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.

SIGNED on the dates indicated aside our signatures:

## INVENTORS

1) Hideya Konda  
Name: Hideya KONDA  
2) Kazuki Sogabe  
Name: Kazuki SOGABE  
3) Shoji Sugino  
Name: Shoji SUGINO  
4) \_\_\_\_\_  
Name: \_\_\_\_\_  
5) \_\_\_\_\_  
Name: \_\_\_\_\_  
6) \_\_\_\_\_  
Name: \_\_\_\_\_

## DATE SIGNED

April 22, 1999  
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\_\_\_\_\_  
\_\_\_\_\_

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(2) Kazuki SOGABE  
(3) Shoji SUGINO

(4) \_\_\_\_\_  
(5) \_\_\_\_\_  
(6) \_\_\_\_\_

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MULTI-CORE-FIBER OPTICAL CONNECTOR

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(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 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.

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5) \_\_\_\_\_  
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6) \_\_\_\_\_  
Name: \_\_\_\_\_

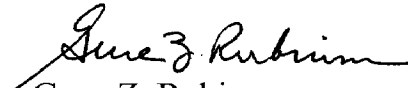
## DATE SIGNED

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If you have any questions, please contact the undersigned immediately.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

A handwritten signature in cursive script, appearing to read "Gene Z. Robinson".

Gene Z. Robinson

Registration No. 33,351

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
(202) 756-8000 GZR:amo  
**Date: August 12, 1999**  
Facsimile: (202) 756-8087