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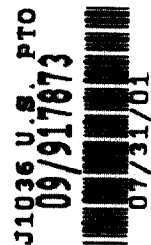
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Hideo KIKUCHI, Toshiyuki SHIMA *07/31/01*  
  
Additional name(s) of conveying party(ies) attached?  
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2. Name and address of receiving party(ies)?  
NEC CORPORATION  
7-1, Shiba 5-chome  
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3. Nature of Conveyance:  
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 Security Agreement  Change of Names  
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Execution Date: July 20, 2001

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: July 20, 2001  
A. Patent Application No.(s)/Confirmation No.(s) *89/917873* /Unknown  
B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
J. Frank Osha, Esq.  
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:  
1  
  
7. Total Fee (37 CFR 3.41): \$40.00  
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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.  
  
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Howard L. Bernstein Reg. No. 25,665 Date

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PATENT  
REEL: 012038 FRAME: 0388

# Assignment

Whereas, I/We, HIDEO KIKUCHI and TOSHIYUKI SHIMA of Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in OPTICAL WAVEGUIDE CONNECTING STRUCTURE, OPTICAL ELEMENT MOUNTING STRUCTURE AND OPTICAL FIBER MOUNTING STRUCTURE and executed an application for Letters Patent of the United States of America therefor on July 20, 2001 ; and

Whereas, NEC Corporation 7-1, Shiba 5-chome Minato-ku, Tokyo, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: July 20, 2001 s/ Hideo Kikuchi (Seal) HIDEO KIKUCHI

Date: July 20, 2001 s/ Toshiyuki Shima (Seal) TOSHIYUKI SHIMA

Date: \_\_\_\_\_ s/ \_\_\_\_\_ witness:

Date: July 20, 2001 s/ Nitoshi Ukei

Date: July 20, 2001 s/ [Signature]

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)