

08-12-2004



Q81047

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1. Name of conveying party(ies):  
 Katsuhiko TSUNO  
 Shoko SUYAMA  
 Tsuneji KAMEDA  
 Yoshiyasu ITO

Additional name(s) of conveying party(ies) attached?  Yes  No



2. Name and address of receiving party(ies):  
 NEC TOSHIBA Space Systems, Ltd.  
 6-3, Shin-Yokohama 2-chome  
 Kohoku-ku, Yokohama-shi, Kanagawa  
 JAPAN

Additional name(s) & address(es) attached?  Yes  No

7-5-04

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: July 15, 2004

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:

A. Patent Application No.(s)  
 10/822,755

Additional numbers attached?  Yes  No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:  
 SUGHRUE MION, PLLC  
 WASHINGTON OFFICE  
 23373  
 CUSTOMER NUMBER

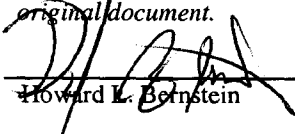
6. Total number of applications and patents involved:  
 1

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 Howard L. Bernstein Reg. No. 25,665 August 5, 2004 Date

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PATENT  
REEL: 015663 FRAME: 0603

# Assignment

Whereas, ~~W~~We, Katsuhiko TSUNO of Kanagawa and Shoko SUYAMA, ~~XOX~~  
Tsuneji KAMEDA and Yoshiyasu ITO of Tokyo, all of Japan

hereinafter called assignor(s), have invented certain improvements in  
Mirror Substrate, Mirror Body Using The Same, And Optical Device Using  
Mirror Body

and executed an application for Letters Patent of the United States of America therefor on  
July 15, 2004; and


Whereas, NEC TOSHIBA Space Systems, Ltd.  
6-3, Shin-Yokohama 2-chome,  
Kohoku-ku, Yokohama-shi, Kanagawa,  
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,


~~W~~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 ~~W~~we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and ~~W~~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.

~~W~~We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 10/822,755 and Confirmation number \_\_\_\_\_, filed April 13, 2004) the filing date and application number of said application when known.

Date: July 15, 2004 Katsuhiko Tsuno   
s/ Katsuhiko TSUNO

Date: July 15, 2004 Shoko Suyama   
s/ Shoko SUYAMA

Date: July 15, 2004 Tsuneji Kameda   
s/ Tsuneji KAMEDA

Date: July 15, 2004 Yoshiyasu ITO   
s/ Yoshiyasu ITO

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

Witness: Chyohi Oishi  
Franklin