1. Name of conveying party(ies):  
Yoshitaka SASAGO  
Takashi KOBAYASHI  

2. Name and address of receiving party(ies):  
Name: Hitachi, Ltd.  
Address: 6, Kanda Surugadai 4-chome  
Chiyoda-ku  

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

4. Application number(s) or patent numbers(s):  
10/166145  

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Mitchell W. Shapiro  
Registration No. 31,568  
Address: Miles & Stockbridge P.C.  
1751 Pinnacle Drive  
Suite 500  
City: McLean  
State/Prov.: VA  
Country: US  
ZIP: 22102-3833  

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): $40.00  
☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account  
☐ Authorized to be charged to deposit account

8. Deposit account number:  
50-1165  

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.  

Mitchell W. Shapiro  
Name of Person Signing  
June 11, 2002  
Signature  

Total number of pages including cover sheet, attachments, and documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments

PATENT  
REEL: 012990 FRAME: 0163
As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar ($1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

NONVOLATILE SEMICONDUCTOR MEMORY DEVICE AND MANUFACTURING METHOD THEREOF

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

Date Signed

1) Yoshitaka SASAGO

05/22/2002

2) Takashi KOBAYASHI

05/22/2002

3)

4)

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