

07-27-1998

MLO  
7/21/98



100775735

Tab settings

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

1. Name of conveying party(ies):

Masahiro Tanaka  
Hisata Miyatake  
Yotaro Mori  
Noritoshi Yamaski

2. Name and address of receiving party(ies):

Name: International Business Machines Corporation

Internal Address:



Additional names(s) of conveying party(ies)  Yes  No

Street Address: New Orchard Road

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

City: Armonk State: NY ZIP: 10504

Execution Date: 6/25; 6/25; 6/25; 6/26/98

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

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: 6/25; 6/25; 6/25; 6/26/98

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert A. Walsh

Internal Address: IBM Corporation

Intellectual Property Law Dept. 972-2E

Street Address: 1000 River Road

City: Essex Junction State: VT ZIP: 05452

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:

09-0456

07/27/1998 JSHABAZZ 00000144 090456 09120214

DO NOT USE THIS SPACE

01 FC:581 40.00 CH

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.

Robert A. Walsh -- Reg. No. 26,516

*Robert A. Walsh*

7/20/98

Name of Person Signing Tel. No. 802-769-9521 Signature

PATENT

Date

Total number of pages including cover sheet, attachments, and document:

725

(IBM Docket No.:JA9-97-019

# ASSIGNMENT

Whereas, we

Inventor and City	(1) Masahiro Tanaka County of	City of Shiga-ken and State of Japan
and	(2) Hisatada Miyatake County of	City of Shiga-ken and State of Japan
and	(3) Yotaro Mori County of	City of Yasu-gun, Shiga-ken and State of Japan
and	(4) Noritoshi Yamasaki County of	City of Sagami-hara-shi, Kanagawa-ken and State of Japan

have invented certain Improvements in

Title  
A SEMICONDUCTOR MEMORY DEVICE AND A DATA READING METHOD AND A DATA WRITING METHOD THEREFOR  
Dates That Inventors Signed the Declaration

and have executed, respectively, a United States patent application therefor on

(1)	6/25	1998, and (2)	6/25	1998, and
(3)	6/25	1998, and (4)	6/26	1998.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

---

City	(1) Signed at Yamato-shi, Kanagawa-ken			
Date	on 6/25/98	<u>Masahiro Tanaka</u>	signature	) inventor
		( Masahiro Tanaka )		
		First Name Middle Initial Last Name		
City	(2) Signed at Yamato-shi, Kanagawa-ken			
Date	on June 25, 1998	<u>Hisatada Miyatake</u>	signature	) inventor
		( Hisatada Miyatake )		
		First Name Middle Initial Last Name		
City	(3) Signed at Yamato-shi, Kanagawa-ken			
Date	on 6/25/98	<u>Yotaro Mori</u>	signature	) inventor
		( Yotaro Mori )		
		First Name Middle Initial Last Name		
City	(4) Signed at Yamato-shi, Kanagawa-ken			
Date	on 6/26/98	<u>Noritoshi Yamasaki</u>	signature	) inventor
		( Noritoshi Yamasaki )		
		First Name Middle Initial Last Name		