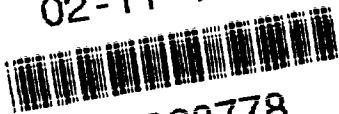


02-11-1999



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DOCKET: JA997080

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Of Patents and Trademarks: Please record the attached original documents

1. Name of conveying party(ies):

Masayuki Demura  
Tetsuya Tamura  
Akira Sasaki  
Hiroshi Itagaki

MFO  
2-8-99

Additional name(s) of conveying  
party(ies) attached \_\_Yes XX No

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

Name: International Business  
Machines Corporation

Street Address: New Orchard Road  
City: Armonk State: NY ZIP: 10504

Additional name(s) & address(es) attached?  
\_\_Yes XX No

3. Nature of conveyance:

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Execution Date: 1/22/99; 1/22/99; 1/25/99; 1/22/99

4. Application number(s) or patent number(s):

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A. Patent Application No.(s)

09/216,014

B. Patent No.(s)

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5. Name and address of party to whom  
correspondence concerning document  
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Name: IBM Corporation  
Internal  
Address: Intellectual Property Law  
Street  
Address: 5600 Cottle Road (L2PA/0142)  
San Jose, CA 95193

6. Total Number of applications and patents  
involved: One

7. Total fee (37 CFR 3.41).....\$ 40.00  
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8. Deposit Account Number: 09-0466

9. Statement and signature.

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02/11/1999 JMW/TLS 0000060 090466 09216014

40.00 CH

PATENT

REEL: 9747 FRAME: 0701

Whereas, we

INVENTOR  
AND CITY

(1) Masayuki Demura  
County of Kanagawa-ken  
and (2) Tetsuya Tamura  
County of Kanagawa-ken  
and (3) Akira Sasaki  
County of Kyoto-fu  
and (4) Hiroshi Itagaki  
County of Kanagawa-ken

of Ebina-shi,  
and State of Japan,  
of Yamato-shi,  
and State of Japan,  
of Kyoto-shi,  
and State of Japan,  
of Yamato-shi,  
and State of Japan,

have invented certain improvements in

TITLE

ECC Block Format for Storage Device

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

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

(1) January 22, 1999, (2) January 22, 1999, (3) January 25, 1999,  
(4) January 22, 1999.

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 inventions 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.

Signed and sealed

CITY  
DATE

(1) at Yamato  
on January 22, 1999,

Masayuki Demura SIGNATURE  
Masayuki Demura INVENTOR

CITY  
DATE

and (2) at Yamato  
on January 22, 1999,

Tetsuya Tamura SIGNATURE  
Tetsuya Tamura INVENTOR

CITY  
DATE

and (3) at Yasu  
on January 25, 1999,

Akira Sasaki SIGNATURE  
Akira Sasaki INVENTOR

CITY  
DATE

and (4) at Yamato  
on January 22, 1999,

Hiroshi Itagaki SIGNATURE  
Hiroshi Itagaki INVENTOR