

Form PTO-1595
1-31-92

12-01-2003

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

11-20-03

RECO



To the Honorable Commissioner of Patents and Trademarks, No. 102611222 Original documents or copy thereof.

1. Name of conveying party(ies):
Hendrik F. HAMANN, Chung Hon LAM,
Michelle Leigh STEEN, Hon-Sum Philip
WONG
Additional name(s) of conveying party(ies)
attached? Yes No

2. Name and address of receiving party(ies):
Name: International Business Machines Corporation
Armonk, New York 10504
Additional name(s) & address(es) attached:
 Yes No

22390 U.S.P.T.O
10/7/18070



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: November 18, 2003 (HFH, CHL & HSPW) November 19, 2003 (MLS)

4. Application number(s) or patent number(s): 10718070
If this document is being filed together with a new application, the execution date of the application is: November 18, 2003 (HFH, CHL & HSPW) November 19, 2003 (MLS)
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: Frank Chau, Esq.
Street Address: F. CHAU & ASSOCIATES, LLP
1900 Hempstead Turnpike, Suite 501
City: East Meadow State: NY Zip: 11554

6. Total number of applications and patents involved: 1
7. Total fee (37 C.F.R. §3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number:
50-0510/IBM (Yorktown Heights)
(Attach duplicate copy of this page if paying by deposit account)

11/20/2003 DBYRME 00000020 500510 10718070
01 FC:8021 40.00 DA

DO NOT USE THIS SPACE

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.
Benjamin M. Halpern
Registration No. 46,494
Name of Person Signing Signature 11/20/03 Date
Total number of pages including cover sheet, attachments and documents: 2

Do not detach this portion
Mail documents to be recorded with required cover sheet information to:
Commissioner for Patents
PO Box 1450
Alexandria VA 22313-1450
Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

Assignment

Whereas, we

Inventor
and City

(1) HENDRIK F. HAMANN
County of WESTCHESTER

of YORKTOWN HEIGHTS
and State of NEW YORK

(2) CHUNG HON LAM
County of

of WILLISTION
and State of VERMONT

(3) MICHELLE LEIGH STEEN
County of FAIRFIELD

of DANBURY
and State of CONNECTICUT

(4) HON-SUM PHILIP WONG
County of WESTCHESTER

of CHAPPAQUA
and State of NEW YORK

have invented certain improvements in

TITLE **MULTI-BIT PHASE CHANGE MEMORY CELL AND MULTI-BIT PHASE CHANGE MEMORY INCLUDING THE SAME, METHOD OF FORMING A MULTI-BIT PHASE CHANGE MEMORY, AND METHOD OF PROGRAMMING A MULTI-BIT PHASE CHANGE MEMORY**

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

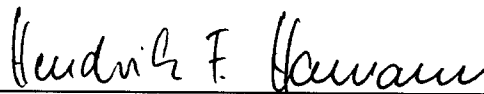
DATES THAT	(1)	2003 and	(2)	2003 and	(3)	2003
INVENTORS	(4)	2003 and	(5)	2003 and	(6)	2003.
SIGNED THE DECLARATION						

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.

CITY (1) at YORKTOWN HIGHTS
DATE on 12/11

2003,



(HENDRIK F. HAMANN) INVENTOR

SIGNATURE

FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY (2) at Yorktown Heights
DATE on 11/18/03 2003,

Chung Hon Lam SIGNATURE
(CHUNG HON LAM) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY (3) at Yorktown Heights, NY
DATE on November 19, 2003,

Michelle Leigh Steen SIGNATURE
(MICHELLE LEIGH STEEN) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

Signed and sealed
CITY (4) at Yorktown Heights
DATE on 11/18/03 2003,

Hon-Sum Philip Wong SIGNATURE
(HON-SUM PHILIP WONG) INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME