

3/19/02

04-02-2002

Form PTO-1595

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(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

1113 U.S. PTO  
10/103186

03/19/02

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

1. Name of conveying party(ies):

Hoa Van Do  
Mary F. Doerner  
Eric Edward Fullerton  
David Thomas Margulies  
William G. McChesney  
Manfred Ernst Schabes  
Kai Tang

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

2. Name and address of receiving party(ies)

Name: **International Business Machines Corporation**

Internal Address: \_\_\_\_\_

Street Address: **New Orchard Road**

City: **Armonk** State: **NY** Zip: **10504**

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: **3/19/02**

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: **3/19/02**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

10/103186

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

Name: **IBM Corporation**

Internal Address: \_\_\_\_\_

**Intellectual Property Law (C4TA/J2B)**

Street Address: **650 Harry Road**

City: **San Jose** State: **CA** Zip: **95120-6099**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41).....\$ **40**

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:

**09-0441**

(Attach duplicate copy of this page if paying by deposit account)

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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.*

**Thomas R. Berthold**

Name of Person Signing

*Thomas R. Berthold*  
Signature

**3/19/02**

Date

Total number of pages including cover sheet, attachments, and documents: **3**

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

04/01/2002 AAHME1 00000126 090441 10103186  
01 FC:581 40.00 CH

**PATENT**  
**REEL: 012726 FRAME: 0453**

# ASSIGNMENT

**Whereas, /I/we,**

- |  |   |
|--|---|
| <p>(1) <b>Hoa Van Do</b><br/>City of <b>Fremont</b><br/><br/>County of <b>Alameda</b><br/><br/>State of <b>CA</b></p>                    | <p>(2) <b>Mary F. Doerner</b><br/>City of <b>Santa Cruz</b><br/><br/>County of <b>Santa Cruz</b><br/><br/>State of <b>CA</b></p>                          |
| <p>(3) <b>Eric Edward Fullerton</b><br/>City of <b>Morgan Hill</b><br/><br/>County of <b>Santa Clara</b><br/><br/>State of <b>CA</b></p> | <p>(4) <b>David Thomas Margulies</b><br/>City of <b>Gilroy</b><br/><br/>County of <b>Santa Clara</b><br/><br/>State of <b>CA</b></p>                      |
| <p>(5) <b>William G. McChesney</b><br/>City of <b>San Jose</b><br/><br/>County of <b>Santa Clara</b><br/><br/>State of <b>CA</b></p>     | <p>(6) <b>Manfred Ernst Schabes</b><br/>City of <del>San Jose</del> <b>SAN JOSE</b><br/><br/>County of <b>Santa Clara</b><br/><br/>State of <b>CA</b></p> |
|  | <p>(7) <b>Kai Tang</b><br/>City of <b>San Jose</b> <i>San Jose</i><br/><br/>County of <b>Santa Clara</b><br/><br/>State of <b>CA</b></p>                  |

have invented certain improvements in:


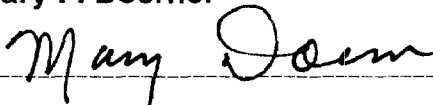


## MAGNETIC RECORDING MEDIUM WITH ANTIPARALLEL COUPLED FERROMAGNETIC FILMS AS THE RECORDING LAYER

and executed a Declaration and Power of Attorney for a United States patent application therefor on

- |                    |                    |                     |
|--------------------|--------------------|---------------------|
| (1) <u>3/11/02</u> | (2) <u>3/14/02</u> | (3) <u>03/11/02</u> |
| (4) <u>3/11/02</u> | (5) <u>3/19/02</u> | (6) <u>03/11/02</u> |
| (7) <u>3/11/02</u> |                    |                     |

**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.**

(1) Inventor: **Hoa Van Do**City/State: **San Jose, CA**Signature  Date 3/11/02(2) Inventor: **Mary F. Doerner**City/State: **San Jose, CA**Signature  Date 3/14/02(3) Inventor: **Eric Edward Fullerton**City/State: **San Jose, CA**Signature  Date 03/11/02(4) Inventor: **David Thomas Margulies**City/State: **San Jose, CA**Signature  Date 03/11/02(5) Inventor: **William G. McChesney**City/State: **San Jose, CA**Signature  Date 03/19/02(6) Inventor: **Manfred Ernst Schabes**City/State: **San Jose, CA**Signature  Date 3/11/02(7) Inventor: **Kai Tang**City/State: **San Jose, CA**Signature  Date 3/11/02