

FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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

## 1. Name of conveying party(ies):

**Georg J. Bednorz, David J. Gundlach,  
Siegfried F. Karg, Gerhard I. Meijer,  
Heike E. Riel and Walter H. Riess**

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date(s): 1/6/05, 1/10/05, 1/13/05, 1/13/05  
1/13/05 and 1/12/05

## 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

## 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:

A. Patent Application No.(s)

**10/987,749**

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **Wayne L. Ellenbogen**Internal Address: **Ryan, Mason & Lewis, LLP**Street Address: **90 Forest Avenue**City: **Locust Valley** State: **NY** ZIP: **11560**6. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41)..... **\$ 40.00**☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number **50-0510**

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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.*

Wayne L. Ellenbogen

Reg. No. 43,602

Wayne L. Ellenbogen  
SignatureJanuary 26, 2005

Date

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CH920030058US1

700148785

PATENT  
REEL: 015623 FRAME: 0409

CH \$40.00 500510 10987749

Attorney Docket No. CH920030058US1**ASSIGNMENT**

Whereas, we

Inventor  
and City

- (1) **Georg J. Bednorz** of Switzerland
- (2) **David J. Gundlach** of Switzerland
- (3) **Siegfried F. Karg** of Switzerland
- (4) **Gerhard I. Meijer** of Switzerland
- (5) **Heike E. Riel** of Switzerland
- <sup>6</sup>  
and (6) **Walter H. Riess** of Switzerland

have invented certain improvements in

TITLE

**FIELD EFFECT DEVICE WITH A CHANNEL WITH A SWITCHABLE  
CONDUCTIVITY**described in United States patent application Serial No. 10/987,749, filed on November 12, 2004 and  
executed on

DATE THAT INVENTORS SIGNED THE DECLARATION (1) 6 Jan 2005 (2) \_\_\_\_\_ 2005 (3) 13 Jan 2005 (4) 13 Jan 2005  
(5) 13 Jan 2005 and (6) 12 Jan 2005.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having  
a place of business at New Orchard Road, 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;

Page 1 of 2

Attorney Docket No. CH920030058US1

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 DATE Signed  
(1) at Rüschlikon  
on 6 Jan 2005, J. Georg Bednorz SIGNATURE  
(Georg J. Bednorz) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY DATE Signed  
(2) at \_\_\_\_\_  
on \_\_\_\_\_ 2005, \_\_\_\_\_ SIGNATURE  
(David J. Gundlach) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY DATE Signed  
(3) at Rüschlikon  
on 13 Jan 2005, Siegfried F. Karg SIGNATURE  
(Siegfried F. Karg) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY DATE Signed  
(4) at Rüschlikon  
on 13 Jan 2005, Gerhard I. Meijer SIGNATURE  
(Gerhard I. Meijer) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY DATE Signed  
(5) at Rüschlikon  
on 13 Jan 2005, Heike E. Riel SIGNATURE  
(Heike E. Riel) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and DATE Signed  
(6) at Rüschlikon  
on 12 Jan 2005, Walter H. Riess SIGNATURE  
(Walter H. Riess) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

Ryan, Mason & Lewis, LLP  
90 Forest Avenue  
Locust Valley, New York 11560  
(516) 759-2722

Page 2 of 2

PATENT  
REEL: 015623 FRAME: 0411

Attorney Docket No. CH920030058US1**ASSIGNMENT**

Whereas, we

Inventor  
and City

- (1) **Georg J. Bednorz** of Switzerland
- (2) **David J. Gundlach** of Switzerland
- (3) **Siegfried F. Karg** of Switzerland
- (4) **Gerhard I. Meijer** of Switzerland
- (5) **Helke E. Riel** of Switzerland
- and <sup>6</sup>(~~X~~) **Walter H. Riess** of Switzerland

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executed on

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INVENTORS  
SIGNED THE  
DECLARATION (5) \_\_\_\_\_ 2005 and (6) \_\_\_\_\_ 2005.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having  
a place of business at New Orchard Road, 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;

Page 1 of 2

Attorney Docket No. CH920030058US1

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 \_\_\_\_\_ Signed \_\_\_\_\_ SIGNATURE  
DATE \_\_\_\_\_ (1) at \_\_\_\_\_  
on \_\_\_\_\_ 2005, \_\_\_\_\_  
(Georg J. Bednorz) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY \_\_\_\_\_ Signed \_\_\_\_\_ SIGNATURE  
DATE \_\_\_\_\_ (2) at Zurich,  
on Jan 10, 2005, \_\_\_\_\_  
(David J. Gundlach) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY \_\_\_\_\_ Signed \_\_\_\_\_ SIGNATURE  
DATE \_\_\_\_\_ (3) at \_\_\_\_\_  
on \_\_\_\_\_ 2005, \_\_\_\_\_  
(Siegfried F. Karg) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY \_\_\_\_\_ Signed \_\_\_\_\_ SIGNATURE  
DATE \_\_\_\_\_ (4) at \_\_\_\_\_  
on \_\_\_\_\_ 2005, \_\_\_\_\_  
(Gerhard I. Meijer) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY \_\_\_\_\_ Signed \_\_\_\_\_ SIGNATURE  
DATE \_\_\_\_\_ (5) at \_\_\_\_\_  
on \_\_\_\_\_ 2005, \_\_\_\_\_  
(Heike E. Riel) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY and \_\_\_\_\_ Signed \_\_\_\_\_ SIGNATURE  
DATE \_\_\_\_\_ (6) at \_\_\_\_\_  
on \_\_\_\_\_ 2005, \_\_\_\_\_  
(Walter H. Riess) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

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(516) 759-2722

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