



09-21-1998



y. Docket No. YO997-215

100870286

3ET

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

MRD 9/14/98

<p>1. Name of conveying party(ies):  Leena P. Buchwalter  Alessandro C. Callegari  Stephan A. Cohen  Teresita O. Graham  John P. Hummel  Christopher V. Jahnes  Sampath Purushothaman  Katherine L. Saenger  Jane M. Shaw</p> <p>Additional name(s) of conveying party(ies) attached? ___Yes <u>X</u>No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: IBM Corporation  Address: New Orchard Road  Armonk, NY 10504</p> <p>Additional name(s) &amp; addresses attached? ___Yes <u>X</u>No</p>
<p>3. Nature of conveyance:  <u>X</u> Assignment</p> <p>Execution Date(s): <u>7/15/98,</u>  <u>7/21/98, 7/23/98, 7/24/98, 7/28/98</u></p>	<p>4. Patent Application number(s)</p> <p>Serial No. 09/112,919  Filed: July 9, 1998  Execution Date(s): <u>7/15/98,</u>  <u>7/21/98, 7/23/98, 7/24/98, 7/28/98</u></p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: David N. Koffsky  Address: OHLANDT, GREELEY, RUGGIERO &amp; PERLE  One Landmark Square  Suite 903  Stamford, CT 06901</p>	<p>6. Total number of applications involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><u>X</u> Charge to Deposit Account No.:  <u>09-0468</u></p>

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8. 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 original document.

Daniel P. Morris

Name of Person Signing Reg. No. 32,053      Signature      Date

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09/17/1998 09:00:57 090468 09112514 02 50 00 CH

# Assignment

Whereas, we

INVENTOR  
AND CITY

(1) Leena P. Buchwalter  
County of Dutchess

of Hopewell Junction  
and State of New York

INVENTOR  
AND CITY

(2) Alessandro C. Callegari  
County of Westchester

of Yorktown Heights  
and State of New York

INVENTOR  
AND CITY

(3) Stephan A. Cohen  
County of Dutchess

of Wappingers Falls  
and State of New York

INVENTOR  
AND CITY

(4) Teresita O. Graham  
County of Westchester

of Irvington  
and State of New York

INVENTOR  
AND CITY

(5) John P. Hummel  
County of Dutchess

of Millbrook  
and State of New York

INVENTOR  
AND CITY

(6) Christopher V. Jahnes  
County of Rockland

of Monsey  
and State of New York

INVENTOR  
AND CITY

(7) Sampath Purushothaman  
County of Westchester

of Yorktown Heights  
and State of New York

INVENTOR  
AND CITY

(8) Katherine L. Saenger  
County of Westchester

of Ossining  
and State of New York

INVENTOR  
AND CITY

(9) Jane M. Shaw  
County of New Haven

of Stoney Creek  
and State of Connecticut

TITLE

have invented certain improvements in

**A CHIP INTERCONNECT WIRING STRUCTURE WITH LOW DIELECTRIC  
CONSTANT INSULATOR AND METHODS FOR FABRICATING THE SAME**

DATES THAT  
INVENTORS  
SIGNED THE  
DECLARATION

and executed, respectively, a United States patent application therefor on  
(1) July 15, 1998, and (2) July 23, 1998,  
(3) July 23, 1998, and (4) July 23, 1998,  
(5) July 21, 1998, and (6) July 28, 1998,  
(7) July 24, 1998, and (8) July 23, 1998,  
(9) July 28, 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 inventions set forth in said applications 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 AND DATE (1) at Hopewell Jct., NY on 7/15 1998, Leeena P. Buchwalter SIGNATURE  
(Leeena P. Buchwalter) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (2) at Yorktown, NY on July 23, 1998, Alessandro C. Callegari SIGNATURE  
(Alessandro C. Callegari) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (3) at Yorktown, N.Y. on July 23, 1998, Stephan A. Cohen SIGNATURE  
(Stephan A. Cohen) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (4) at Yorktown, NY on July 23, 1998, Teresita O. Graham SIGNATURE  
(Teresita O. Graham) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (5) at EAST FISHKILL, NY on JULY 21 1998, John P. Hummel SIGNATURE  
(John P. Hummel) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (6) at Yorktown, NY on July 28, 1998, Christopher V. Jahnes SIGNATURE  
(Christopher V. Jahnes) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (7) at Yorktown, N.Y. on July 24, 1998, Sampath Purushothaman SIGNATURE  
(Sampath Purushothaman) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (8) at Yorktown, NY on July 23, 1998, Katherine G. Saenger SIGNATURE  
(Katherine L. Saenger) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND DATE (9) at Yorktown, NY on July 28, 1998, Jané M. Shaw SIGNATURE  
(Jané M. Shaw) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

State of )ss.:  
County of )

INVENTOR  
(1)

On this day of 19 , before me personally came  
Leena P. Buchwalter to me personally known, and known to me to be the  
person described in and who executed the foregoing assignment, and he acknowledged to me  
that he executed the same as his free act and deed.

Notary

State of *New York* )ss.:  
County of *Westchester* )

INVENTOR  
(2)

On this *23<sup>rd</sup>* day of *July* 19*98*, before me personally came  
Alessandro C. Callegari to me personally known, and known to me to be the  
person described in and who executed the foregoing assignment, and he acknowledged to me  
that he executed the same as his free act and deed.

*Sandra M. Emma*  
Notary  
SANDRA M. EMMA  
Notary Public, State of New York  
No. 01PO4935290  
Qualified in Westchester County  
Commission Expires July 5, *2000*

State of *New York* )ss.:  
County of *Westchester* )

INVENTOR  
(3)

On this *23<sup>rd</sup>* day of *July* 19*98*, before me personally came  
Stephan A. Cohen to me personally known, and known to me to be the  
person described in and who executed the foregoing assignment, and he acknowledged to me  
that he executed the same as his free act and deed.

*Sandra M. Emma*  
Notary  
SANDRA M. EMMA  
Notary Public, State of New York  
No. 01PO4935290  
Qualified in Westchester County  
Commission Expires July 5, *2000*

State of *New York* )ss.:  
County of *Westchester* )

INVENTOR  
(4)

On this *23<sup>rd</sup>* day of *July* 19*98*, before me personally came  
Teresita O. Graham to me personally known, and known to me to be the  
person described in and who executed the foregoing assignment, and he acknowledged to me  
that he executed the same as his free act and deed.

*Sandra M. Emma*  
Notary  
SANDRA M. EMMA  
Notary Public, State of New York  
No. 01PO4935290  
Qualified in Westchester County  
Commission Expires July 5, *2000*

State of *New York* )ss.:  
County of *Dutchess* )

INVENTOR  
(5)

On this *25<sup>th</sup>* day of *July* 19*98*, before me personally came  
John P. Hummel to me personally known, and known to me to be the  
person described in and who executed the foregoing assignment, and he acknowledged to me  
that he executed the same as his free act and deed.

*Hilda Nesheiwat*  
Notary  
HILDA NESHEIWAT  
Notary Public, State of New York  
No. 01NE5013143  
Qualified in Dutchess County  
Term Expires: 07/15/99

State of *New York* )ss.:  
County of *Westchester* )

INVENTOR  
(6)

On this *28<sup>th</sup>* day of *July* 19*98*, before me personally came Christopher V. Jahnes to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

*Sandra M. Emma*  
\_\_\_\_\_  
Notary

**SANDRA M. EMMA**  
Notary Public, State of New York  
No. 01PO4935290  
Qualified in Westchester County  
Commission Expires July 5, *2002*

State of *New York* )ss.:  
County of *Westchester* )

INVENTOR  
(7)

On this *24<sup>th</sup>* day of *July* 19*98*, before me personally came Sampath Purushothaman to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

*Sandra M. Emma*  
\_\_\_\_\_  
Notary

**SANDRA M. EMMA**  
Notary Public, State of New York  
No. 01PO4935290  
Qualified in Westchester County  
Commission Expires July 5, *2002*

State of *New York* )ss.:  
County of *Westchester* )

INVENTOR  
(8)

On this *23<sup>rd</sup>* day of *July* 19*98*, before me personally came Katherine L. Saenger to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

*Sandra M. Emma*  
\_\_\_\_\_  
Notary

**SANDRA M. EMMA**  
Notary Public, State of New York  
No. 01PO4935290  
Qualified in Westchester County  
Commission Expires July 5, *2002*

State of *New York* )ss.:  
County of *Westchester* )

INVENTOR  
(9)

On this *28<sup>th</sup>* day of *July* 19*98*, before me personally came Jane M. Shaw to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

*Sandra M. Emma*  
\_\_\_\_\_  
Notary

**SANDRA M. EMMA**  
Notary Public, State of New York  
No. 01PO4935290  
Qualified in Westchester County  
Commission Expires July 5, *2002*