

Date of Deposit: February 5, 1998

Atty. Docket No. YO997-273

06-05-2000

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To The Honor
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09/578319

1. Name of conveying party(ies):

Steven A. Cordes
Peter A. Gruber
Egon M. Kummer
Stephen Roux
Carlos J. Sambucetti
James L. SpeidellAdditional name(s) of conveying
party(ies) attached? Yes X No2. Name and address of receiving
party(ies):Name: IBM Corporation
Address: Armonk, NY 10504Additional name(s) & addresses
attached? Yes X No

3. Nature of conveyance:

X AssignmentExecution Date(s): 1/28/98, 1/30/98
and 2/2/98

4. Patent Application number(s)

Serial No. 09 578319

Filed:

Execution Date(s): 1/28/98, 1/30/98
and 2/2/985. Name and address of party to
whom correspondence concerning
document should be mailed:Name: Alvin J. Riddles
Address: Box 34 - Candlewood Isle
New Fairfield, CT 068126. Total number of applications
involved: 1

7. Total fee (37 CFR 3.41): \$40.00

X Charge to Deposit Account No.:
09-0468

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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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Washington, DC 20231, and to the Office of Management and Budget, Paperwork
Reduction Project (0651-0011), Washington, DC 20503.

Assignment

Whereas, we

Inventor
and City

(1) Steven A. Cordes
County of Westchester

of Cortlandt Manor
and State of New York

and (2) Peter A. Gruber
County of Westchester

of Mohegan Lake
and State of New York

and (3) Egon M. Kummer
County of Westchester

of Croton on Hudson
and State of New York

and (4) Stephen Roux
County of Westchester

of Purdys
and State of New York

and (5) Carlos J. Sambucetti
County of Westchester

of Croton on Hudson
and State of New York

and (6) James L. Speidell
County of Dutchess

of Poughquag
and State of New York


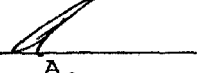


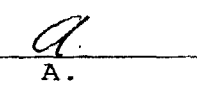


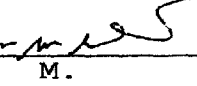

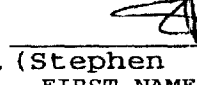
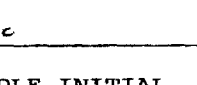
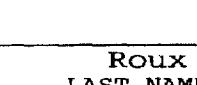

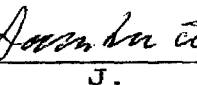

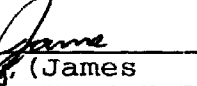
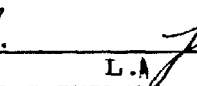

have invented certain improvements in

ETCHED GLASS SOLDER BUMP TRANSFER FOR FLIP CHIP INTEGRATED CIRCUIT DEVICES

and executed, respectively, a United States patent application therefor on
DATES THAT (1) January 28, 1978, and (2) January 28, 1978, and (3) January 28, 1978, and
INVENTORS (4) February 2, 1978, and (5) January 30, 1978, and (6) January 28, 1978.
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	Signed and sealed				SIGNATURE
DATE	on	January 28, 1978,	(Steven	A.	Cordes) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	
CITY	and (2) at	Signed and sealed				SIGNATURE
DATE	on	January 28, 1978,	(Peter	A.	Gruber) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	
CITY	and (3) at	Signed and sealed				SIGNATURE
DATE	on	January 28, 1978,	(Egon	M.	Kummer) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	
CITY	and (4) at	Signed and sealed				SIGNATURE
DATE	on	FEBRUARY 2ND 1978,	(Stephen		ROUX) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	
CITY	and (5) at	Signed and sealed				SIGNATURE
DATE	on	January 30, 1978,	(Carlos	J.	Sambucetti) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	
CITY	and (6) at	Signed and sealed				SIGNATURE
DATE	on	January 28, 1978,	(James	L.A.	Speidell) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	

State of New York) SS.:
County of Westchester

INVENTOR
(1)

On this 28th day of January 1998, before me personally came Steven A. Cordes to me personally know, 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
In Westchester County
Commission Expires July 5, 1998

State of New York) SS.:
County of Westchester

INVENTOR
(2)

On this 28th day of January 1998, before me personally came Peter A. Gruber to me personally know, 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
In Westchester County
Commission Expires July 5, 1998

State of New York) SS.:
County of Westchester

INVENTOR
(3)

On this 28th day of January 1998, before me personally came Egon M. Kummer to me personally know, 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
In Westchester County
Commission Expires July 5, 1998

State of) SS.:
County of)

INVENTOR
(4)

On this day of 19 , before me personally came Stephen Roux to me personally know, 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
(5)

On this 30th day of January 1998, before me personally came Carlos J. Sambucetti to me personally know, 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

State of New York) SS.:
County of Westchester

INVENTOR
(6)

On this 28th day of January 1998, before me personally came James L. Speidell to me personally know, 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

PATENT