

100781132

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<p>1. Name of conveying party(ies):</p> <p>Guy Paul Brouillette Peter Alfred Gruber Frederic Maurer</p> <p>Additional name(s) of conveying party(ies) attached? <u>Yes</u> <u>X</u> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: IBM Corporation Address: Old Orchard Road Armonk, NY 10504</p> <p>Additional name(s) & addresses attached? <u>Yes</u> <u>X</u> No</p>
<p>3. Nature of conveyance:</p> <p>X Assignment</p> <p>Execution Date(s): 7 and 10 July 1998</p>	<p>4. Patent Application number(s) 09/070,121</p> <p>Execution Date(s): 7 and 10 July 1998</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Robert M. Trepp Address: IBM Corporation Intellectual Property Law P.O. Box 218 Yorktown Heights, NY 10598</p>	<p>6. Total number of applications involved: 1</p>
	<p>7. Total fee (37 CFR 3.41): \$40.00</p> <p>X Charge to Deposit Account No.: 09-0468</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.

Robert M. Trepp (Reg. No. 25,933) *Robert M. Trepp* July 16, 1998

Name of Person Signing	Signature	Date

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PATENT
REEL: 9340 FRAME: 0620

Assignment

Whereas, we

Inventor
and City (1) Guy Paul Brouillette of Quebec
Canton de Shefford, Canada
and (2) Peter Alfred Gruber of Mohegan Lake
County of Westchester and State of New York
and (3) Frederic Maurer of Valhalla
County of Westchester and State of New York

have invented certain improvements in

TITLE METHOD AND APPARATUS FOR FORMING SOLDER BUMPS

and executed, respectively, a United States patent application therefor on
DATES THAT (1) July 10th 1998, and (2) July 7th 1998, and (3) July 7th 1998.

INVENTORS
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;

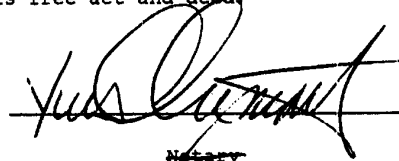
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the
above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire
right, title and interest in the said application and invention therein disclosed for the
United States and foreign 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.

Signed and sealed
CITY (1) at Brown Mt
DATE on July 10 1998, (Guy P. Brouillette) SIGNATURE INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME
Signed and sealed
CITY and (2) at Yorktown Heights
DATE on July 7, 1998, (Peter A. Gruber) SIGNATURE INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME
Signed and sealed
CITY and (3) at Yorktown Heights
DATE on July 7, 1998, (Frederic Maurer) SIGNATURE INVENTOR
FIRST NAME MIDDLE INITIAL LAST NAME

PATENT
REEL: 9340 FRAME: 0621

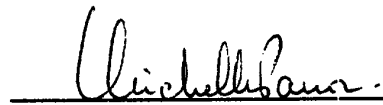
Province of QUEBEC) SS.:
~~State~~ of)
 County of SHEFFORD)

INVENTOR (1) On this 10th day of JULY 1998, before me personally came
 Guy P. Brouillette 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
 WITNESS

State of New York) SS.:
 County of Westchester)

INVENTOR (2) On this 7th day of July 1998, before me personally came
 Peter A. Gruber 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 (3) On this 7th day of July 1998, before me personally came
 Frederic Maurer 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

MICHELLE PARRA
 Notary Public, State of New York
 No. 01PA5089349
 Qualified in Dutchess County
 Commission Expires December 8, 1999