



y. Docket No. <u>Y0999-339</u>

	oner of Patents and Trademarks: riginal documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving
	party(ies):
Rachel K. E. Bellamy	Åtte
Vicki L. Hanson	Name: International Business AUG ()
Wendy A. Kellogg	Machines Corporation
John T. Richards	Address: New Orchard Road
Calvin B. Swart	Armonk, NY 10504
Additional name(s) of conveying	Additional name(s) & addresses
party(ies) attached? Yes X No	attached? Yes X No
3. Nature of conveyance:	4. Patent Application number(s)
X Assignment	09/356,531
Execution Date(s): August 5, 18, 1999	Execution Date(s):July 19, 1999
5. Name and address of party to	6. Total number of applications
whom correspondence concerning	involved: 1
document should be mailed:	
	7. Total fee (37 CFR 3.41): \$40.00
Name: Douglas W. Cameron	7. Total ice (37 CIR 3.41). \$40.00
Address: IBM Corporation	V Charge to Deposit Appount No :
Intellectual Property Law	X Charge to Deposit Account No.:
P.O. Box 218	<u>09-0468</u>
Yorktown Heights, NY 10598	
81 ¥0.00 CH	JSE THIS SPACE
8. Statement and signature.	$\bigcap \subset \bigcap$
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.
	X 011 mal 4 - 8/20
Douglas W. Cameron (Reg. No. 31,596)	
Name of Person Signing	Signature Date
Total Number of page	s including fover sheet,
attachments, and doc	
·	
	DETACH THIS PORTION
Mail documents to be recorded with required cover Assistant Commissioner fo	
	or Patents
Box Assignments Washington, DC 20231	

Assignment

AND CITY	(1) Rachel K.E. Bellamy County of Westchester	of Bedford and State of New York
INVENTOR	(2) Vicki L. Hanson	of Chappaqua
AND CITY	County of Westchester	and State of New York
INVENTOR	(3) Wendy A. Kellogg	of Yorktown Heights
AND CITY	County of Westchester	and State of New York
INVENTOR	(4) John T. Richards	of Chappqua
AND CITY	County of Westchester	and State of New York
INVENTOR	(5) Calvin B. Swart	of Poughkeepsie
AND CITY	County of Dutchess	and State of New York
TITLE	have invented certain improvements in A SPACE-CONSERVING INTERFACE CONTROL F AND MANIPULATING MULTIDIMENSIONAL STA	
DATES THAT INVENTORS SIGNED THE DECLARATION	and executed, respectively, a United States patent applic (1) August 5, 1999, and (2) August 5, (3) August 18, 1999 and (4) August 5, (5) August 5, 1999.	cation therefor on 1999, 1999 ,

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.

CITY AND DATE	(1) at Yorktown Hgts., NY on August 5, 1999,	Rachel k. E. (Rachel FIRST NAME MIDDLE	<u>Bella</u> K.E. INITIAL	Bellamy) LAST NAME	SIGNATURE INVENTOR
CITY AND	(2) at Yorktown Hgts.,NY on August 5, 1999,	<u>Tick</u> <u>L</u> Han (Vicki FIRST NAME MIDDLE	L. INITIAL	Hanson) LAST NAME	SIGNATURE INVENTOR
CITY AND DATE	(3) at Yorktown Hgts., NY on August 18, 1999,	Wendy a f (Wendy FIRST NAME MIDDLE	Kellog A. INITIAL	Kellogg) LAST NAME	SIGNATURE INVENTOR

(IBM Docket) YO999-339 Page 3 of 3

1999, before me personally came

to me personally known, and known to me to be the

State of New York County of Westchester

Rachel K. E. Bellamy

On this

INVENTOR

(1)

(2)

5th day of August

that he executed the same as his free act and deed.

)ss.:)

person described in and who executed the foregoing assignment, and he acknowledged to me

Notary MILY S. FORBES State e State of New York)ss.: 01F04935185 County of Westchester) ified in Westchesh **is Juiu 2**5 1999, before me personally came On this 5th day of August Vicki L. Hanson to me personally known, and known to me to be the INVENTOR 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 LUCILLE FOURGEOT NOTARY PUBLIC, state of New York State of New York)ss.: No. 4502670 **Quelified in Westchester County** County of Westchester) Commission Expires 06/30/2001 1999, before me personally came On this 18th day of August Wendy A. Kellogg to me personally known, and known to me to be the INVENTOR person described in and who executed the foregoing assignment, and he acknowledged to me (3) that he executed the same as his free act and deed. Notary LUCILLE FOURGEOT NOTARY PUBLIC, state of New York State of New York)ss.: No. 4502670 Qualified in Westchester County County of Westchester) Commission Expires 06/30/2001 On this 5th day of August 1999, before me personally came John T. Richards to me personally known, and known to me to be the INVENTOR person described in and who executed the foregoing assignment, and he acknowledged to me (4) that he executed the same as his free act and deed. Notary **EMILY S. FORBES** Notary Public, State of New York State of New York)ss.∶ No. 01F04935185 County of Westchester Qualified in Westchester County 2000) On this 5th day of August 1999, before me personally came INVENTOR Calvin B. Swart 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 (5) that he executed the same as his free act and deed. (1 EMILY'S FORBES Hotary Public, Stat No. 01F04935185 State of N State of)ss.: Qualified in Westchester County 2000 County of) ammission Expires July 25, On this day of 19 , before me personally came to me personally known, and known to me to be the INVENTOR person described in and who executed the foregoing assignment, and he acknowledged to me (6)that he executed the same as his free act and deed. REEL: 010185 FRAME: 0582

IBM Docket) YO999-339 Page 2 of 3

CITY AND	(2) at Yorktown Hgts., NY on August 5, 1999,		IGNATURE
		FIRST NAME MIDDLE INITIAL LAST NAME	
CITY AND DATE	(3) at Yorktown Hgts., NY on August 5, 1999,		IGNATURE NVENTOR

RECORDATION FORM COVER SHEET PATENTS ONLY

AUG 1929

To The Honorable Commissioner of Patents and Trademarks:				
Please record the attached original documents or copy thereof.				
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1. Name of conveying party(ies):	2. Name and address of receiving			
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	Name: International Business			
Vicki L. Hanson				
Wendy A. Kellogg	Machines Corporation			
John T. Richards	Address: New Orchard Road			
Calvin B. Swart	Armonk, NY 10504			
Additional name(s) of conveying	Additional name(s) & addresses			
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Address: IBM Corporation	X Charge to Deposit Account No.:			
Intellectual Property Law				
P.O. Box 218	09-0468			
Yorktown Heights, NY 10598				
DO NOT USE	THIS SPACE			
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To the best of my knowledge and belief, the foregoing information is true and				
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Douglas W. Cameron (Reg. No. 31,596) Ougas La 8/20/99				
	Signature Date			
Name of Person Signing	Signature Date Date			
Total Number of pages including over sheet,				
attachments, and document: <u>3</u>				
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Public burden reporting for this sample cover sheet is	s estimated to average about 30 minutes per document to			
be recorded, including time for reviewing the document and gathering the data needed, and completing and				
reviewing the sample cover sheet. Send comments regar	ding this burden estimate to the U.S. Patent and			
Trademark Office, Office of Information Systems, PK2-1	.000C, Washington, DC 20231, and to the Office of			
Management and Budget, Paperwork Reduction Project (0651-0011), Washington, DC 20503.				