; ONLY

U.S. Department of Commerce

RECORDAT

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

	<u></u>		
1. Name of conveying party(ies): a) Marcos N. Novaes g) b) Gregory D. Laib h) c) Ronald T. Goering i) d) George Sohos j) e) Jeffrey S. Lucash k) f) More names attached? Y x N	2. Name and address of receiving party(ies): Name: INTERNATIONAL BUSINESS MACHINES CORPORATION Address: New Orchard Road Armonk, NY 10504 More names attached? Y x N		
3. Nature of Conveyance: x Assignment			
 4. Application number: 09/583,686 Filed: May Filed with new application:yes X no Execution date(s): a) September 26, 2000 g) 			
a) September 26, 2000 g) b) September 7, 2000 h) c) September 19, 2000 i) d) September 11, 2000 j) e) September 7, 2000 k) f) Additional numbers attached? Y x			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Lawrence D. Cutter	6. Total # of applications and patents involved: 01		
IBM Corporation Intellectual Property Law	7. Total fee (37 CFR 3.41): \$ 40.00		
2455 South Road, M/S P386 Poughkeepsie NY 12601 (845) 433-1172	8. Charge to Deposit Account 09-0463. 3 assignments enclosed		
DO NOT USE THIS SPACE			
9. Statement and Signature: To the best of my know information is true and correct and any attached original document.			
Susan L. Phelps	The for 10/13/2000		
Signature	Date		
Total number of pages including cover sheet, attac	hments, and document: 7		
Express Mail Label No. (if applicable):	Docket No.: POU920000021US1		

PATENT REEL: 011201 FRAME: 0930

ASSIGNMENT

Whereas, we

(1)	Marcos N. Novaes County of Dutchess	of Hopewell Junction and State of New York
(2)	Gregory D. Laib County of Ulster	of Kingston and State of New York
R 4	Ronald T. Goering County of Water (24)	of Woodstock Austinary and State of New York 7CX 41
(4)	George Sohos County of Essex and	of Millburn and State of New Jersey
(5)	Jeffrey S. Lucash County of Ulster	of Hurley and State of New York

have invented certain improvements in

patents to be obtained therefor;

METHOD, SYSTEM AND PROGRAM PRODUCTS FOR PROVIDING CLUSTERS OF A COMPUTING ENVIRONMENT

and executed a United States Patent Application therefor on

(1) $\frac{9/26/vo}{\sqrt{2000}}$, (2) , (3) $\frac{9/19/20}{\sqrt{2000}}$,

(4) and (5) .

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

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 the 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 Patents granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Sign	ned		
(1)	Prophere psix, NY at (city, State)	Marcos N. Novaes	lavoy
(2)	at (City, State)	Marcos N. Novaes	
	on	Gregory D. Laib	

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(3)	at (City, State) on $\frac{q-19-2600}{}$	Ronald T. Goering
(4)	at (City, State) on	George Sohos
(5)	at (City, State) on	Jeffrey S. Lucash

ASSIGNMENT

Whereas, we

(1)	Marcos N. Novaes County of Dutchess	of Hopewell Junction and State of New York
(2)	Gregory D. Laib County of Ulster	of Kingston and State of New York
(3)	Ronald T. Goering County of Ulster	of Woodstock and State of New York
(4)	George Sohos County of Essex and	of Millburn and State of New Jersey
(5)	Jeffrey S. Lucash	of Hurley

have invented certain improvements in

County of Ulster

METHOD, SYSTEM AND PROGRAM PRODUCTS FOR PROVIDING CLUSTERS OF A COMPUTING ENVIRONMENT

and State of New York

and executed a United States Patent Application therefor on

(1)	, (2) <i>9</i> /	7/00	, (3)_	
(4)	and (5)	9/7/00	·	

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;

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 the 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 Patents granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applacations when called upon to do so by IBM.

Signed

(1)	at (City, State) on	Marcos N. Novaes
(2)	on	Gregory D. Laib

-1-

(3)	at (City, State) on	Ronald T. Goering
(4)	at (City, State) on	George Sohos
(5)	at (City, State) on 7-7-00	Seffrey S. Lucash

A S S I G N M E N T

Wh	er	۰,	as	we

	(1)	Marcos N. Novaes County of Dutchess	of Hopewell Junction and State of New York
	(2)	Gregory D. Laib County of Ulster	of Kingston and State of New York
	(3)	Ronald T. Goering County of Ulster	of Woodstock and State of New York
	(4)	George Sohos County of Essex	of Millburn and State of New Jersey and
	(5)	Jeffrey S. Lucash County of Ulster	of Hurley and State of New York
have :	inve	nted certain improveme	nts in
		•	PROGRAM PRODUCTS FOR PROVIDING CLUSTERS A COMPUTING ENVIRONMENT
and ex	xecu1	ted a United States Pa	tent Application therefor on
(1)		, (2)	, (3),
(4)	9/	/// 00 and (5)
having (herei	g a p inaft e sa:	place of business at Neter called IBM), desire	MACHINES CORPORATION, a corporation of New York, ew Orchard Road, Armonk, New York, 10504, es to acquire the entire right, title and interest ention, and to any United States and foreign;
acknow success application country States Letter its su Letter	wleddessors cation cies, s app cs Pa ucces ction	ged, we, the above names and assigns, the entern and the invention to and all rights of production, and we requestents granted upon the assors and assigns; and a with the United States.	onsideration, receipt whereof is hereby ed, hereby sell, assign and transfer to IBM, its ire right, title and interest in the said herein disclosed for the United States and foreign iority resulting from the filing of said United est the Commissioner of Patents to issue any e invention set forth in said application to IBM, I hereby agree that IBM may apply for foreign and I will execute all papers necessary in es and foreign applications when called upon to do
Sign	ed		
(1)		(City, State)	Marcos N. Novaes
(2)		(City, State)	Gregory D. Laib

PATENT REEL: 011201 FRAME: 0935

(3)	at (City, State) on	Ronald T. Goering
(4)	at (City, State), NJ on 9/1/2000	George Sohos
(5)	at (City, State)	Jeffrey S. Lucash