Form PTO-1595

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'S ONLY

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

Secretary and the second secon			
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
a) Michael E. Baskey g) b) Steven G. Glassen h)	Name: INTERNATIONAL BUSINESS MACHINES CORPORATION		
c) Eugene P. Hefferon i) d) Bruce H. Ratcliff j)	Address: New Orchard Road Armonk, NY 10504		
1 c/ nichai o. ocagg	ALMONK, NI 10304		
f) Stephen R. Valley 1)			
More names attached?Y _x_N	More names attached? Y x N		
3. Nature of Conveyance: x Assignment			
4. Application number: 09/253,250 Filed: 02/19/99 Filed with new application: yes _x no			
Execution date(s):			
a) May 6, 1999 g) b) May 5, 1999 h) c) May 4, 1999 i) d) May 4, 1999 j)	······		
c) May 4, 1999 i) d) May 4, 1999 j)			
e) April 28, 1999 k)			
f) May 4, 1999 1)			
Additional numbers attached? Y X N			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Lily Neff, Attorney IBM Corporation Intellectual Property Law 522 South Road, M/S P386 Poughkeepsie NY 12601-5400	6. Total # of applications and patents involved: _01_		
	7. Total fee (37 CFR 3.41): \$_40.00		
	8. Charge to Deposit Account 09-0463.		
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Susan L. Phelps Signature	1) tuff		
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Express Mail Label No. (if applicable): Docket No.: P09-99-014			

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ASSIGNMENT

Whereas, We

of Wappingers Falls, Inventor (1) Michael E. Baskey County of Dutchess and State of New York,

Inventor (2) Steven G. Glassen of Wallkill, County of Ulster and State of New York,

of Poughkeepsie, Inventor (3) Eugene P. Hefferon and State of New York, County of Dutchess

Inventor (4) Bruce H. Ratcliff of Red Hook, County of Dutchess and State of New York,

of Raleigh, Inventor (5) Arthur J. Stagg County of Wake and State of North Carolina,

and

Inventor (6) Stephen R. Valley of Valatie, and State of New York. County of Columbia

have invented certain improvements in AN APPARATUS FOR PROVIDING DIRECT DATA PROCESSING ACCESS USING A QUEUED DIRECT INPUT-OUTPUT DEVICE

and executed, respectively, a United States patent application therefor on

(1) May 6, 1999 , (2) May 5, 1999 , (3) May 4, 1999 , (4) May 4, 1999 , (5) ipril 28, 1999 , and (6) May 4, 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, and, 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 and Trademarks 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

at Poughkeepsie, NY

on 5/6/99

Michael E. Baskey (1)

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2)	at Poughkeepsie, NY	Herro Page 2 of 2
	on 3/3/37	Steven G. Glassen
3)	at Poughkeepsie, NY on $\frac{5/4}{99}$	Eugene P. Hefferon
4)	at Poughkeepsie, NY on 5/4/99	Bruce H. Ratcliff
5)	at RALEIGH NC on 4/28/99	Arthur J. Stagg
٤,	at Poughkeensia NV	011.04

Stephen R. Valley

on 5/4/94

RECORDED: 05/11/1999