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U.S. Department of Commerce

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(iet 2. Name and address of receiving " party(ies): a) Patrick J. Meaney Name: INTERNATIONAL BUSINESS Jonathan Chen Frank D. Ferraiolo MACHINES CORPORATION i) Address: New Orchard Road d) Kevin C. Gower Armonk, NY 10504 e) Glenn E. Holmes f) More names attached? More names attached? 3. Nature of Conveyance: x Assignment 4. Application number: Filed: Filed with new application: X yes Execution date(s): September 13, 2001 September 13, 2001 September 14, 2001 h) b) C) i) September 20, 2001 d) September 21, 2001 k) e) f) 1) Additional numbers attached? 6. Total # of applications and 5. Name and address of party to whom correspondence concerning document should be mailed: patents involved: 01 Name: Lynn L. Augspurger 7. Total fee (37 CFR 3.41): IBM Corporation \$_40.00 Intellectual Property Law 2455 South Road, P386 8. Charge to Deposit Account Poughkeesie, New York 12601 09-0463. A duplicate copy is enclosed. 17/2001 DARFFRI 00002193 DO NOT USE THIS SPACE 9. 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 the original document. Susan L. Nelson Total number of pages including cover sheet, attachments, and document: Express Mail Label No. (if applicable): EK830785613US __ Docket No.: POU920010094US1

> PATENT REEL: 012206 FRAME: 0918

IBM Docket No: POU920010094US1 GNMEN S I T

Whereas, we

	(1)	Patrick J. Meaney County of Dutchess	of Poughkeepsie and State of New York	
	(2)	Jonathan Chen County of Westchester	of Yorktown Heights and State of New York	
	(3)	Frank D. Ferraiolo County of Chittenden	of Essex Junction and State of Vermont	
	(4)	Kevin C. Gower County of Dutchess	of LaGrangeville and State of New York	
	(5)	Glenn E. Holmes County of Dutchess	of Wappingers Falls and State of New York	
A	have invented certain improvements in APPARATUS AND METHOD FOR RECALIBRATI A SOURCE-SYNCHRONOUS PIPELINED SELF-TIMED INTERFACE			
	and execu	ted a United States Patent	Application therefor on	
(1) $\frac{9/13/01}{13/01}$, (2) $\frac{9/13/01}{13/01}$ (3)				
				(4) 9/30/01 (5) 9/21/01
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business a 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 therefore. 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 sai 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 Patent 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 the so by IBM.				

S

(1)	at Poughkeepsie, NY on 9/13/01	Patrick J. Meaney
(2)	at Poughkeepsie, NY on 9/13/0/	Jonathan Chen
(3)	at on	Frank D. Ferraiolo
(4)	at Poughkeepsie, NY on 9/20/0/	Kevy C. Lower Kevin C. Gower
(5)	at Poughkeepsie, NY on 9/2//01	Glenn E. Holmes

PATENT REEL: 012206 FRAME: 0919

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IBM Decket Nos PCH920018084781

ASSIGNMENT

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- (1) Patrick J. Meaney
 County of Datchess
- of Poughkeepsie and State of New York
- (2) Jonathan Chen County of Westchester
- of Yorktown Heights and State of New York
- (3) Frank D. Ferraiolo County of Chittenden
- of Essex Junction and State of Vermont
- (4) Kevin C. Gower County of Dutchess
- of LaGrangeville and State of New York
- (5) Glenn E. Holmes County of Dutchess
- of Wappingers Falls and State of New York

have invented certain improvements in APPARATUS AND METHOD FOR RECALIBRATING A SOURCE-SYNCHROMOUS PIPELINED SELF-TIMED INTERFACE

and executed a United States Patent Applica	ation therefor on
(1), (2)	(3) Thank D. Darrauch
(4)(5)	_ Sept. M, 2001

Whereas, INTERNSTICIAL BUSINESS MACHINES COMMUNICION, a corporation of New York, having a place of business at Errorsk, New York, 10504, (hereinafter called ISM), desires to acquire the entire right, title and interest in the madd application and invention, and to any United Status and foreign patents to be obtained therefor;

How therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign and transfer to IML, its anneaesors 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 IMM, its anneaesors and assigns; and I hereby agree that IMM may apply for foreign Letters Patent on said invention and I will assecute all papers necessary in connection with the United States and Earsign applications when called upon to do so by IML.

Signed

(1)	at Poughkeepsie, MY on	Patrick J. Meaney
(2)	at Poughkaepuie, NY on	Jonathan Chen
(3)	et Essex Jct, VT on Sept 14, 2001	Dante D. Derraines Frank D. Perraiolo
(4)	at Poughkeepsie, NY	Kevin C. Gower
(5)	at Poughkeepsie, NY	Glenn E. Holmes

PATENT REEL: 012206 FRAME: 0920