

DVER SHEET U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94) Atty Dkt. No. 99 P 7445 US 101001380 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Name: International Business Machines Corporation Albert CHU John A. FIFIELD Internal Address: Jason E. ROTELLA Additional name(s) of conveying party(ies) attached? ___ Yes Street Address:____ 3. Nature of conveyance: X Assignment ___ Merger City: Armonk State: NY ZIP: 10504 Security Agreement ___ Change of Name ___ Other ___ Additional name(s) & address(es) attached? ___ Yes _X_ No Execution Date: January 21, 1999 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: March 17, 1999 A. Patent Application No.(s) B. Patent No.(s) 09/239,487 Additional numbers attached? ___ Yes _X No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: __1 concerning document should be mailed: 7. Total Fee (37 CFR 3.41) \$ 40.00 Name: Elsa Keller Internal Address:____ Enclosed Siemens Corporation X Authorized to be charged to deposit account Intellectual Property Department 8. Deposit Account No. Street Address: 186 Wood Avenue South 19-2179 City: Iselin State: NJ ZIP: 08830 DO NOT USE THIS SPACE 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. /05/1999 DNGUYENT 00000073 192179 09239487 / / FC:581 40.00 CH Stanton C. Braden Name of Person Signing Reg. No. 32,556 Total number of pages including cover sheet, attachments, and document:

> PATENT **REEL: 9853 FRAME: 0185**

Triad No.: T97-0287

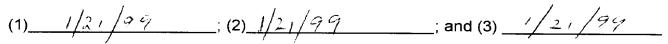
ASSIGNMENT

WHEREAS, I

(1) County of	Chitienden	of <u>£55ex</u> , and State of Vermont
(2) County of	John A. FIFIELD	of <u>ยพจะสหาย ย</u> and State of Vermont
(3) County of	Jason E. ROTELLA of _ E.SSミス	い,†herbee, and State of New York

have invented certain improvements in DELAY-LOCKED-LOOP (DLL) HAVING SYMMETRICAL RISING AND FALLING CLOCK EDGE TYPE DELAYS

and executed a United States patent application therefor on: (dates that 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, I, 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 I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I 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 and date)

(1) at Burlington, VT albert M. CHU

Albert M. CHU

(2) at Burlington, VT on //2/ 1999 John A. FIFIELD

(3) at Burlington, VT
on 1/2 1 1999 Jason E. ROTELLA

PATENT
RECORDED: 03/30/1999 REEL: 9853 FRAME: 0186