	Docket No.: 13454 (YO000-139)
Rev. 6-93) DMB No. 0651-0011 (exp. 4/94) Copyright 1996-97 LegalStar	TION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
POBA/REV02 Tab settings → → → ▼	III III III IIII IIII IIII IIII IIII IIII
To the Honorable Commissioner of P	e attached original documents or copy thereof.
1. Name of conveying party(ies): 1C Caroline D. Benveniste	01370505
Peter A. Franaszek	Name: International Business Machines Corporation
John T. Robinson 5-22-	Address:
Additional names(s) of conveying party(ies) attached?	
3. Nature of conveyance:	
🛚 Assignment 🗌 Merger	
Security Agreement Change of N	lame City: Armonk State/Prov.: NY
□ Other	Country: USA ZIP: 10504
Execution Date: May 19, 2000	Additional name(s) & address(es) attached?
4. Application number(s) or registration numbers(s):	
If this document is being filed together with a new a	application, the execution date of the application is: May 19, 2000
Patent Application No. Filing date /26/2000 AHRYES 00000012 500510 09575549	B. Patent No.(s)
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REEL: 010816 FRAME: 0646

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Assignment

Whereas, we

Inventor (1) Caroline D. Benveniste of New York, NY and City

and (2) Peter A. Franaszek of Mt. Kisco, NY

and (3) John T. Robinson of Yorktown Heights, NY

have invented certain improvements in

TITLE DUAL LINE SIZE CACHE DIRECTORY

and executed, respectively, a United States patent application

therefor on DATES THAT (1) May 19, 2000, (2) May 19, 2000 and (3) May 19, 2000. 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, 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 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.

(1) at Vorktown HSts, NY Charles Middle on May 19, Juro Caroline D SIGNATURE N. Semtin CITY FIRST NAME MIDDLE INITIAL LAST NAME DATE Caroline D. Benveniste fordra 1. En SANDRA M. EMMA Notary Public, State of New York No. 01P04935290 Qualified in Westchester County Commission Expires July 5, 202 PATENT

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(2) at Yorkfown HJB, M CITY SIGNATURE DATE on Way (9, Divo NAME FIRST NAME MIDDLE INITIAL LAS Peter Α. Franaszek SANDRA M. EMMA Notary Public, State of New York No. 01PO4935290 Qualified in Westchester County Commission Expires July 5,2072 (3) at Yorkfown HSR, WY on May (9, 2000) CITY SIGNATURE DATE FIRST NAME MIDDLE INITIAL LAST NAME John т. Robinson SANDRA M. EMMA Notary Public, State of New York No. 01P04935290 Qualified in Westchester County Commission Expires July 5, 2007