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If this document is being filed with a new application, the execution date of the application 04/18/00 04/04/00 04/10/2000 A. Patent Application No(s) B. Patent No(s) 09/477,775	
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PATENT

REEL: 010763 FRAME: 0235

ASSIGNMENT

Whereas, we

-1 Marco C. Heddes

of: Raleigh, North Carolina

and (2) Piyush Chunilal Patel

of: Cary, North Carolina

and (3) Mark Anthony Rinaldi

of: Durham, North Carolina

have invented certain improvements in

Memory Address Using Address Shapes

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

And 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 invention 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 AND SEALED

Page 1 of 2

IBM Docket No.: RAL9-99-0143

(1) at: RTP, NC

on: 4/18/2000

and (2) at: RTP, NC

on: 4-4-2000

and (3) at: RTP, NC

on: 4/10/2000

Marco C. Heddes

Marco C. Heddes

Piyush Chunilal Patel

Mach anthony Krualdi

Mark Anthony Rinaldi

RECORDED: 04/24/2000

PATENT REEL: 010763 FRAME: 0237