

04-23-1998



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To the Honorable Commissioner

...ed original documents or copy thereof

MRD 4-13-98

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Anoop Ghanwani                      Gerald A. Marin  
 Ken V. Vu

International Business Machines Corporation  
 Old Orchard Road  
 Armonk, New York 10504

Additional Names Attached?                      Yes            No

3. Nature of Conveyance	
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Additional Numbers Attached?                      Yes            No

5. Name and Address of party to whom correspondence concerning the document should be sent:	6. Total Number of applications and patents involved:	1
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Name:                      Gerald R. Woods

Internal Address:

7. Total fee (37 CFR 341) .....\$	40.00
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PATENT

**ASSIGNMENT**

**Whereas, we**

(1) Anoop Ghanwani

of: Durham, NC 27705

and (2) Gerald A. Marin

of: Chapel Hill, NC 27514

and (3) Ken V. Vu

of: Cary, NC 27513

have invented certain improvements in

**Method and Apparatus for Relative Rate Marking Switches**

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

(1) 1/21/98

(2) 12/8/97

(3) 12/8/97

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

(1) at: Res. Tri. Park, NC

on: 1/21/98

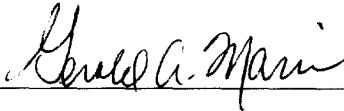


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Anoop Ghanwani

and (2) at: Res. Tri. Park, NC

on: 12/8/97

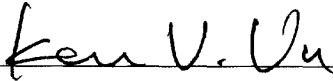


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Gerald A. Marin

and (3) at: Res. Tri. Park, NC

on: 12/8/97



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Ken V. Vu