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To the Honorable Commissioner of

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original documents or copy thereof.

1. Name of conveying party(ies): 12/18/00  
Uwe Fischer, Stefan Hoffmann,  
Dr. Werner Kriechbaum and Gerhard Stenzel  
Additional name(s) of conveying party(ies)  
attached?  
Yes ☒ No

2. Name and address of receiving party(ies)  
Name: International Business Machines Corporation  
Internal Address:

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Street Address: New Orchard Road  
City: Armonk State: NY ZIP: 10504

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: December 5, 2000

9/739130

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:  
December 5, 2000

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? Yes ☒ No

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

Name:  
Internal Address: Ryan, Mason & Lewis, LLP  
Street Address: 1300 Post Road, Suite 205

City: Fairfield State: CT ZIP: 06430

6. Total number of applications and patents  
involved: 1

7. Total Fee (37 CFR 3.41)..... \$ 40.00  
☐ Enclosed  
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December 18, 2000  
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DE919990012

PATENT  
REEL: 011388 FRAME: 0589

**ASSIGNMENT**

Whereas, I

Inventor  
and City(1) **Uwe Fischer**of Boeblingen  
Federal Republic of Germanyand (2) **Stefan Hoffmann**of Weil im Schoenbuch  
Federal Republic of Germanyand (3) **Dr. Werner Kriechbaum**of Ammerbuch-Breitenholz  
Federal Republic of Germanyand (4) **Gerhard Stenzel**of Herrenberg  
Federal Republic of Germany

have invented certain improvements in

TITLE

**METHOD AND SYSTEM FOR GENERATING A CHARACTERISTIC IDENTIFIER  
FOR DIGITAL DATA AND FOR DETECTING IDENTICAL DIGITAL DATA**

and executed a United States patent application therefor on

DATE THAT (1) 12/5/ 2000 and (2) 12/5/ 2000 and (3) 12/5/ 2000 and  
INVENTOR(S) (4) 12/5/2000.SIGNED THE  
DECLARATION

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at New Orchard Road, 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 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 inventions 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 to do so by IBM.

CITY  
DATE

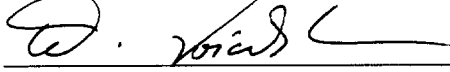
Signed and Sealed  
(1) at Boeblingen  
on 12/5/ 2000,

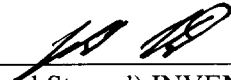
Uwe Fischer SIGNATURE  
(Uwe Fischer) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY  
DATE

Signed and Sealed  
(2) at Boeblingen  
on 12/5/ 2000,

Stefan Hoffmann SIGNATURE  
(Stefan Hoffmann) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY	Signed and Sealed		SIGNATURE
DATE	(3) at <i>Boeblingen</i>	(Dr. Werner Kriechbaum) INVENTOR	
	on <i>12/5/</i> 2000,	FIRST NAME MIDDLE INITIAL LAST NAME	

CITY	Signed and Sealed		SIGNATURE
DATE	(4) at <i>Boeblingen</i>	(Gerhard Stenzel) INVENTOR	
	on <i>12/5/</i> 2000,	FIRST NAME MIDDLE INITIAL LAST NAME	

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