

MAD 3-13-98

04-23-1998

In place of Form PTO-1595



Docket No. TU9-97-055

100690924

To the Assistant Commissioner of Patents: Please record the attached original documents or copy thereof.

JCS11 U.S. PTO
09/039124
03/13/98

1. Name of conveying party(ies):

Robert Allen Hutchins
Glen Alan Jaquette
Kazuhiro Tsuruta

2. Name and address of receiving party(ies):

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

3. Nature of conveyance:

X Assignment

09039,124

Execution Date: February 24, 1998; February 24, 1998; March 3, 1998

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 February 24, 1998; February 24, 1998; March 3, 1998

A. Patent Application No. (s)

B. Patent No. (s)

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

Robert M. Sullivan
IBM Corporation
Intellectual Property Law
9000 S. Rita Road
90A/040-1
Tucson, AZ 85744
(520) 799-2550

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

X Authorized to be charged to deposit account

8. Deposit IBM Corporation account number:

09-0449

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9. 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.

Marty Bower

Name of Person Signing
For Felsman, Bradley, Gunter &
Dillon

Marty Bower

Signature

3-13-98

Date

Total number of pages including cover sheet: 3

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PATENT
REEL: 9107 FRAME: 0988

TU9-97-055

A S S I G N M E N T

Whereas, we,

(1) Robert A. Hutchins of Tucson,
County of Pima and State of Arizona,

and
(2) Glen A. Jaquette of Tucson,
County of Pima and State of Arizona,

and
(3) Kazuhiro Tsuruta of Sagamihara City,
County of Kanagawa Prefecture and State of Japan,

have invented certain improvements in

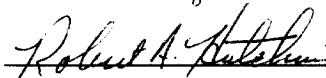
METHOD AND APPARATUS FOR PERFORMING DIGITAL DETECTION OF DATA STORED ON AN OPTICAL MEDIUM

and executed, respectively, a United States patent application therefor on
(Dates Inventors Signed Declaration) (1) February 24, 1998, 1998, and
(2) Feb 24, 1998, and (3) March 3, 1998, 1998.

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.

(1) Signed at Tucson on February 24, 1998.



Robert A. Hutchins

and (2) Signed at Tucson on Feb. 24, 1998.

Glen A. Jaquette
Glen A. Jaquette

and (3) Signed at Yamato on March. 3, 1998.

Kazuhiro Tsuruta
Kazuhiro Tsuruta