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05-08-2000



RECORDATION FC

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

OPR/FINANCE	
<p>1. Name of conveying party(ies):</p> <p>a) <u>Ernst-Michael Hamann</u>) _____</p> <p>b) <u>Jutta Kreyas</u> h) _____</p> <p>c) <u>Narayanan Vasudevan</u> i) _____</p> <p>d) _____ j) _____</p> <p>e) _____ k) _____</p> <p>f) _____ l) _____</p> <p>More names attached? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: INTERNATIONAL BUSINESS MACHINES CORPORATION</p> <p>Address: Old Orchard Road Armonk, NY 10504</p> <p>More names attached? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N</p>

3. Nature of Conveyance: Assignment

4. Application number: 09/483,358 Filed: January 14, 2000
 Filed with new application: yes no

Execution date(s):

a) 2/21/2000 g) _____

b) 2/16/2000 h) _____

c) 2/14/2000 i) _____

d) _____ j) _____

e) _____ k) _____

f) _____ l) _____


Additional numbers attached? Y N

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name:</p> <p>James E. Murray 69 South Gate Drive Poughkeepsie, NY 12601</p>	<p>6. Total # of applications and patents involved: <u>01</u></p>
	<p>7. Total fee (37 CFR 3.41): \$ <u>40.00</u></p>
	<p>8. Charge to Deposit Account <u>50-0510</u>. A duplicate copy is enclosed.</p>

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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.

James E. Murray _____  _____ 3/24/00 _____
 Signature Date

Total number of pages including cover sheet, attachments, and document: 6

Express Mail Label No. (if applicable): _____ Docket No.: GE9-99-008

A S S I G N M E N T

Whereas, We

Inventor (1) ERNST-MICHAEL HAMANN of BOEBLINGEN ,
Country of FEDERAL REPUBLIC OF GERMANY

Inventor (2) JUTTA KREYSS of STUTTGART ,
Country of FEDERAL REPUBLIC OF GERMANY

Inventor (3) NARAYANAN VASUDEVAN of GAITHERSBURG,
State of MARYLAND

Inventor (4) of ,
Country of

Inventor (5) of ,
Country of

have invented certain improvements in METHOD FOR CREATING & READING NEW CERTIFICATE TYPES FOR CERTIFICATION OF KEYS which was filed in the U.S. Patent Office on January 14, 2000, and received Serial No. 09/483,358 and executed, respectively, a United States patent application therefor on

(1) Feb. 21 2000, (2) Feb. 16 , 2000,
(3) 2000, (4) , 2000.
(5) 2000

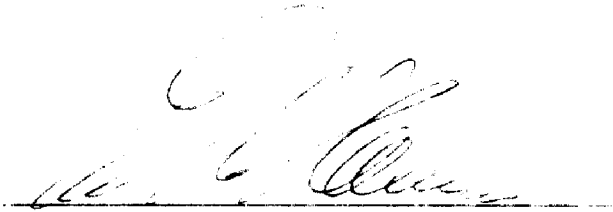
Whereas, **INTERNATIONAL BUSINESS MACHINES CORPORATION**, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM,) desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, and, 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 and Trademarks 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 then called upon to be so by IBM.

Signed

Boeblingen Germany

02/21/00



~~Dr. J. Hoff~~ Boeblingen
021 16100

~~Boeblingen Dr. J. Hoff~~

A S S I G N M E N T

Whereas, We

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(1) , 2000, (2) , 2000.

(3) *February 14,* , 2000, (4) , 2000

(5) , 2000

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:

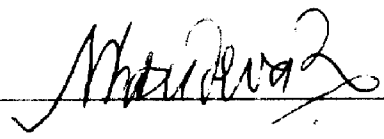
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, and, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents and Trademarks 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.

Signed

(1) at _____
on _____

(2) at _____
on _____

(3) at GAITHERS BUREAU, MD 20878 USA
on FEB 14, 2000

A handwritten signature in black ink, appearing to read "M. J. ...", written over a horizontal line.

(4) at _____
on _____

(5) at _____
on _____

(6) at _____
on _____