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| <p>1. Name of conveying party(ies): Suresh Kumar, Vijay Kumar <i>msd</i> <i>8-23-99</i></p> <p>Additional name(s) of conveying party(ies) attached? ___Yes <u>X</u>No</p> | <p>2. Name and address of receiving party(ies): Name: International Business Machines Corporation Address: New Orchard Road Armonk, NY 10504</p> <p>Additional name(s) & addresses attached? ___ Yes <u>X</u> No</p> |
| <p>3. Nature of conveyance: <u>X</u> Assignment</p> <p>Execution Date(s): <u>August 16, 1999, July 1, 1999</u></p> | <p>4. Patent Application number(s) 09/337,719</p> <p>Execution Date(s): August 16, 1999, July 1, 1999</p> |
| <p>5. Name and address of party to whom correspondence concerning document should be mailed: Name: Stephen C. Kaufman Address: IBM Corporation Intellectual Property Law P.O. Box 218 Yorktown Heights, NY 10598</p> | <p>6. Total number of applications involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><u>X</u> Charge to Deposit Account No.: <u>09-0468</u></p> |

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8. 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 original document.

Stephen C. Kaufman (Reg. 29,551) *Stephen C. Kaufman* August 19, 1999
Name of Person Signing Signature Date

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ASAP
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Assignment

Whereas, we

INVENTOR
AND CITY

(1) Suresh Kumar
County of

of New Delhi
and Country of India

INVENTOR
AND CITY

(2) Vijay Kumar
County of

of New Delhi
and Country of India

have invented certain improvements in

TITLE

KEYLESS ENCRYPTION OF MESSAGES USING CHALLENGE RESPONSE

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

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

(1) 1999, and (2) JULY 01 1999.

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;

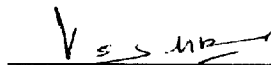
Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign 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 inventions set forth in said applications 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

CITY AND
DATE

(1) at BELLEVUE, WA
on AUG 16

1999,



(Suresh Kumar)
FIRST NAME MIDDLE INITIAL LAST NAME

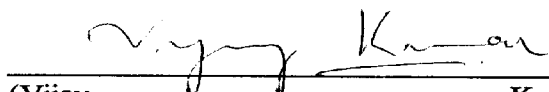
SIGNATURE

Signed and sealed

CITY AND
DATE

(2) at New Delhi
on JULY 01

1999,



(Vijay Kumar)
FIRST NAME MIDDLE INITIAL LAST NAME

SIGNATURE