

05-18-1998

Atty. Docket No. YO998-047

R SHEET

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05/11/98
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To The Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

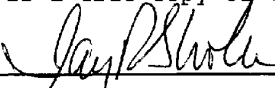
<p>1. Name of conveying party(ies):</p> <p>Pradeep K. Dubey, Marc A. Kaplan and Sanjay M. Joshi</p> <p>Additional name(s) of conveying party(ies) attached? ___Yes ___x No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: IBM Corporation Address: Old Orchard Road Armonk, NY 10504</p> <p>Additional name(s) & addresses attached? ___Yes ___x No</p>
<p>3. Nature of conveyance:</p> <p>X Assignment</p> <p>Execution Date(s): _March 12, 20, April 3, 1998_</p>	<p>4. Patent Application number(s)</p> <p>09/021,516</p> <p>Execution Date(s): _March 12, 20, April 3, 1998_</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Jay P. Sbrollini 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>X Charge to Deposit Account No.: 09-0468 (A duplicate copy of this sheet is enclosed)</p>

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8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true
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Jay P. Sbrollini Reg. No. 36,266



5/5/98

Name of Person Signing

Signature

Date

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Patent and Trademark Office, Office of Information Systems, PK2-1000C,
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Assignment

Whereas, we

Inventor and City	(1) Pradeep K. Dubey County of Westchester	of White Plains and State of New York
	and (2) Marc A. Kaplan County of Westchester	of Katonah and State of New York
	and (3) Sanjay M. Joshi County of Baltimore	of Baltimore and State of Maryland
	and (4) County of	of and State of
	and (5) County of	of and State of
	and (6) County of	of and State of

have invented certain improvements in

EFFICIENT CRC GENERATION UTILIZING PARALLEL TABLE LOOKUP OPERATIONS

and executed, respectively, a United States patent application therefor on
DATES THAT (1) March 20, 1998, and (2) APRIL 3, 1998, and (3) March 12, 1998, and
INVENTORS (4) 19 , and (5) 19 , and (6) 19 .
SIGNED THE
DECLARATION

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 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.

CITY	(1) at	Signed and sealed	<u>Pradeep K. Dubey</u>	SIGNATURE
DATE	on <u>March 20, 1998</u>		(Pradeep K. Dubey)	INVENTOR
			FIRST NAME MIDDLE INITIAL LAST NAME	
CITY	and (2) at	Signed and sealed	<u>Marc A. Kaplan</u>	SIGNATURE
DATE	on <u>APRIL 3, 1998</u>		(Marc A. Kaplan)	INVENTOR
			FIRST NAME MIDDLE INITIAL LAST NAME	
CITY	and (3) at	Signed and sealed	<u>Sanjay M. Joshi</u>	SIGNATURE
DATE	on <u>MAR 12, 1998</u>		(Sanjay M. Joshi)	INVENTOR
			FIRST NAME MIDDLE INITIAL LAST NAME	
CITY	and (4) at	Signed and sealed		SIGNATURE
DATE	on		()	INVENTOR
			FIRST NAME MIDDLE INITIAL LAST NAME	
CITY	and (5) at	Signed and sealed		SIGNATURE
DATE	on		()	INVENTOR
			FIRST NAME MIDDLE INITIAL LAST NAME	
CITY	and (6) at	Signed and sealed		SIGNATURE
DATE	on		()	INVENTOR
			FIRST NAME MIDDLE INITIAL LAST NAME	

State of New York) SS.:
County of Westchester
On this 20th day of March 1998, before me personally came
INVENTOR (1) Pradeep K. Dubey to me personally know, and known to me to be the
person described in and who executed the foregoing assignment, and he acknowledged
to me that he executed the same as his free act and deed.

Sandra H. Emma
Notary

SANDRA M. EMMA
Notary Public, State of New York
No. 01PO4935290
In Westchester County
Commission Expires July 5, 1998

State of New York) SS.:
County of Westchester
On this 3rd day of April 1998, before me personally came
INVENTOR (2) Marc A. Kaplan to me personally know, and known to me to be the
person described in and who executed the foregoing assignment, and he acknowledged
to me that he executed the same as his free act and deed.

Sandra M. Emma
Notary

SANDRA M. EMMA
Notary Public, State of New York
No. 01PO4935290
In Westchester County
Commission Expires July 5, 1998

State of) SS.:
County of)
On this day of 19 , before me personally came
INVENTOR (3) Sanjay M. Joshi to me personally know, and known to me to be the
person described in and who executed the foregoing assignment, and he acknowledged
to me that he executed the same as his free act and deed.

Notary

State of) SS.:
County of)
On this day of 19 , before me personally came
INVENTOR (4) to me personally know, and known to me to be the
person described in and who executed the foregoing assignment, and he acknowledged
to me that he executed the same as his free act and deed.

Notary

State of) SS.:
County of)
On this day of 19 , before me personally came
INVENTOR (5) to me personally know, and known to me to be the
person described in and who executed the foregoing assignment, and he acknowledged
to me that he executed the same as his free act and deed.

Notary

State of) SS.:
County of)
On this day of 19 , before me personally came
INVENTOR (6) to me personally know, and known to me to be the
person described in and who executed the foregoing assignment, and he acknowledged
to me that he executed the same as his free act and deed.

Notary