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JC715 U.S. PTO  
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<p>1. Name of conveying party: Martin Schmatz Christian Menofli Thomas Morf <i>10/30/02</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):</p> <p>Name: International Business Machines Corporation Address: New Orchard Road Armonk, NY 10504</p> <p>Additional name(s) &amp; addresses attached? ___ Yes <u>X</u> No</p>
<p>3. Nature of conveyance: <u>X</u> Assignment <i>10/28/02</i></p> <p>Execution Date(s): <u>09/24/02 09/25/02 10/07/02</u></p>	<p>4. Patent Application number(s)</p> <p>Execution Date(s): <u>09/24/02 09/25/02 10/07/02</u></p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Peter M. Klett 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 <u>X</u> Charge to Deposit Account No.: <u>09-0468</u></p>

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Derek S. Jennings (Reg. No. 41,473)  
Name of Person Signing

*Derek S. Jennings*  
Signature

10/29/02  
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Dated October 30, 2002

(JOINT FORM)

# Assignment

Whereas, we

INVENTOR  
AND CITY

(1) Martin Schmatz  
County of

of Rueschlikon  
and Country of Switzerland

INVENTOR  
AND CITY

(2) Christian Menofli  
County of

of Zurich  
and Country of Switzerland

INVENTOR  
AND CITY

(3) Thomas Morf  
County of

of Gross  
and Country of Switzerland

have invented certain improvements in

TITLE **CLOCK DATA RECOVERY SYSTEM**

executed, respectively, a United States patent application therefor on

DATES THAT (1) Sept, 24 2002 and (2) Oct, 7 2002, and (3) Sept, 25 2002

INVENTORS  
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 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 Rueschlikon  
on Sept 24, 2002,

Martin L. Schmatz SIGNATURE  
( Martin Schmatz ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND  
DATE

(2) at Rueschlikon  
on Oct, 7, 2002,

Chr Menofli SIGNATURE  
( Christian Menofli ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND  
DATE

(3) at Rueschlikon  
on Sept 25, 2002,

Thomas E. Morf SIGNATURE  
( Thomas Morf ) INVENTOR  
FIRST NAME MIDDLE INITIAL LAST NAME