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Addit'l. name(s) & address(es) attached Yes No

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06/20/2002 6TDM11 00000204 090458 10163003
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ASSIGNMENT

IBM Docket No.:
FIS920010062US1

Whereas, We,
Xudong WANG
County of Middlesex

City of Groton
and state of MASSACHUSETTS

Xiaodong WANG
County of Middlesex

City of Acton
and state of MASSACHUSETTS

have invented certain improvements in:
DUAL FREQUENCY VOLTAGE CONTROLLED OSCILLATOR CIRCUIT

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

- X (1) June 5 2002
- X (2) June 8, 2002

And 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.

SIGNED AND SEALED

X (1) signed at on June 5, 2002 X Xudong Wang

Y (2) signed at on June 5, 2002 X Xiaodong Wang