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S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
IBM Docket No.: BU9-99-125

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To the Honorable Commissioner of Patents and Tradem

101241747

nents or copy thereof.

1. Name of conveying party(ies):

1) Ram Kelkar

Additional names of conveying party(ies) attached?

☐ yes ☒ no

3. Nature of Conveyance

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 12/20/99

2. Name and address of receiving party(ies):

Name: International Business Machines Corporation

Internal Address:

Street Address: New Orchard Road  
City Armonk  
State New York Zip 10504

Additional name(s) & address(es) attached? ☐ yes ☒ no

JC688 U.S. PTO  
09/470408  
12/22/99

4. Application number(s) or patent number(s):

Title: A METHOD AND APPARATUS FOR DERIVATIVE CONTROLLED PHASE LOCKED LOOP SYSTEMS

If this document is being filed together with a new application, the execution date of the application is 12/20/99.

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

09/470408

5. Name and address of party to whom correspondence concerning document should be mailed.

Richard A. Henkler  
IBM Corporation - Mail Stop: 972E  
1000 River Street  
Essex Junction, VT 05452

Tel. No. (802) 769-8585

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account  
☒ Total fee due

☒ Any deficiencies in the enclosed fees

8. Deposit account number:

09-0456

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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.

Richard A. Henkler  
Registration 39,220  
Tel: (802) 769-8585

*Richard A. Henkler*  
Signature

12-21-99  
Date

Total number of pages including cover sheet, attachments and document: 2

01/07/2000  
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**ASSIGNMENT**

Whereas, we

**Inventor  
and City** (1) Ram Kelkar  
County of ChittendenCity of Essex Junction  
and State of Vermont

have invented certain improvements in

**Title** A METHOD AND APPARATUS FOR DERIVATIVE CONTROLLED PHASE LOCKED LOOP SYSTEMS**Dates That  
Inventors  
Signed the  
Declaration** and have executed, respectively, a United States patent application therefor on  
(1) 12/20, 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 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.

**City** (1) Signed at <sup>WILLISTON Rk</sup> ~~Essex Junction~~, Vermont**Date** on 12/20/99

<u>Ram Kelkar</u>		signature
(Ram		) inventor
First Name	Middle Initial	Last Name