To the Honorable Commissioner of Patents a.

101010052

d original documents or copy theeof 2. Name and address of receiving party(ies):

Street Address: 7-1, Shiba 5-chome, Minato-ku

Hirotaka HARADA and

Susumu TANIMOTO

1. Name of conveying party(ies):

Additional name(s) of conveying party(ies) attached? No

- 3. Nature of conveyance:
  - XX Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: March 10, 1999

Additional name(s) & address(es) attached? No

City: Tokyo, State: Japan ZIP:

ET

Name: NEC CORPORATION

Internal Address:

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

If this document is being filed together with a new application, the execution date of the application is:

March 10, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/276933

Additional numbers attached? No

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

Name: David A. Blumenthal

Internal Address: FOLEY & LARDNER

Street Address: 3000 K Street, N.W., Suite 500

City: Washington, State: D.C. ZIP: 20007-5109

6. Total number of applications and patents

involved: 1

7. Total fee (37 C.F.R. § 3.41). . . . . . . \$40.00

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for David A. Blumenthal Name of Person Signing

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PATENT **REEL: 9872 FRAME: 0673** 

## **ASSIGNMENT**

17/3331-A

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby

sells and assigns, unto NEC CORPORATION

name and address of assignee

7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

title of invention

Charge Pump Circuit for PLL

as set forth in this United States Patent Application

check one

x executed concurrently herewith		
executed on		
☐ Serial No.	Filed	

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of FOLEY & LARDNER the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

			T-10-1
NAMES AND SIGNATURES OF INVENTORS			
Name:	Hirotaka Harada	Signature: Hirotaka Haralla	March 10, Date: 1999
Name:	Susumu Tanimoto	Signature: Susumu Janimoto (3)	Date:
Name:		Signature:	Date:
Name:		Signature:	Date:
NAMES AND SIGNATURES OF WITNESSES			
Name:	Akio Murano	Signature: Afrollorous	March 10,
Name:	Akira Muto	Signature:	DateMarch 10.

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

PATENT REEL: 9872 FRAME: 0674

**RECORDED: 03/26/1999**