



Tab settings

To the Honorable Commissioner of Patents and Trademarks
100792040

are attached original documents or copy thereof.

1. Name of conveying party(ies):
Eugene O'SULLIVAN
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: NEC CORPORATION
Internal Address:
Street Address: 7-1, Shiba 5-chome,
Minato-ku,
City: Tokyo State: Japan ZIP:
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: July 21, 1998

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:
A. Patent Application No.(s)
09/086,225

B. Patent No.(s):

Attorney's Docket No.: NECG 15.142
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: HELFGOTT & KARAS, P.C.
Internal Address: Empire State Building
60th Floor
Street Address: 350 5th Avenue
City: New York State: N.Y. ZIP: 10118
Tel. No.: (212) 643-5000

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 any excess fee due
8. Deposit account number:
08-1634
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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.
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Name of Person Signing: GIBSON HELFGOTT 40.00 DP
Signature: [Signature]
Date: AUGUST 7, 1998
Req. No.: 23,072 Total number of page: including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
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Filed by Express Mail
(Receipt No. EM36675440US)
on 8/7/98
pursuant to 37 C.F.R. 1.10.
by Angela Hausman

ASSIGNMENT

Docket No. NECG 15,142

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in PHASE LOCKED LOOP USING A SCHMITT TRIGGER BLOCK

for which

(check one) an application is being filed concurrently herewith,
 an application for a Patent of the United States was filed on May 28, 1998
 and given Application Serial No. 09/086,225

and WHEREAS, NEC Corporation
 having a place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

ASSIGNEE
 is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor EUGENE O'SULLIVAN
 Inventor's signature Eugene O'Sullivan Date July 21, 1998
 Residence Tokyo, Japan Citizenship Irish
 Post Office Address c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

Full name of second joint inventor, if any _____
 Second Inventor's signature _____ Date _____
 Residence _____ Citizenship _____
 Post Office Address _____

Witness:

Abao Marano
Attest

PATENT