12/23/1 04 FC:5

01-03-2000



'EET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Docket No.: N99132US

ached original documents or copy thereof.

To the Honorable Commissions of	acried original documents or copy mercol.
1. Name of conveying party(ies): 101235925	iddress of receiving
Seiichi Watarai Additional names of conveying party(ies) attached? yes & no	Name: NEC CORPORATION Internal Address: Street Address: 7-1, Shiba 5-chome, Minato-ku, City: Tokyo
3. Nature of Conveyance Assignment Merger Security Agreement Change of Name Other	City: Tokyo Country: Japan Additional name(s) & address(es) attached? yes one
Execution Date: December 3, 1999	
Application number(s) or patent number(s): Title: LEVEL-SHIFTING CIRCUIT AND INPUT AND OUTPUT CIRCUITS USING THE SAME If this document is being filed together with a new application, the execution date of the application is December 3, 1999	
A. Patent Application No(s). Additional numbers attace	B. Patent No(s). ched? [] Yes
5. Name and address of party to whom correspondence concerning document should be mailed: Michael E. Whitham, Esq. Whitham, Curtis & Whitham Reston International Center 11800 Sunrise Valley Drive Suite 900 Reston, Virginia 20191 99 PALLEN 00000069 09458056	6. Total number of applications and patents involved:
9. Statement and signature To the best of my knowledge and belief, the foregoing information is tr document. C. Lamont Whitham Name of Person Signing Signature	rue and correct and any attached copy is a true copy of the original

PATENT OR DESIGN: SOLE OR JOINT

(U.S. and Foreign Rights)

ASSIGNMENT FOR UNFILED APPLICATION FOR UNITED STATES PATENT

(Sole or Joint Inventors)

WHEREAS:

FULL NAME(S) AND
POST OFFICE ADDRESS(S)
OF INVENTOR(S) (including country)

SEIICHI WATARAI of

c/o NEC Corporation, 7-1, Shiba 5-chome,

Minato-ku, Tokyo, Japan

(hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled:

TITLE OF

LEVEL-SHIFTING CIRCUIT AND, INUPT AND

OUTPUT CIRCUITS USING THE SAME

for which application for Letters Patent of the United States has been executed on even date herewith,

FULL NAME AND
ADDRESS (including country)
OF ASSIGNEE

WHEREAS: NEC Corporation 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by AS-SIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or

(Assignment for Unfiled Application for United States Patent-page 1 of 2)

PATENT REEL: 010459 FRAME: 0791 any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

Warning
DATE OF SIGNING:
This must be the same as the
date of signing of the declaration and power of the patent
or design application.

SIGNATURE(S)
The signature(s) must correspond with the name(s) of the inventor(s) above.

Instruction sheet for

assignment

Signing

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this December 3, 1999

(Date of Signing)

SEIICHI WATARAI

(Signature)

(Signature)

Witness:

All information, names of inventor(s) and assignee, title of invention and particulars of application should be completed.

No witnessing or legalization is necessary. However, if this assignment is legalized then it will only be prime facie evidence of the execution of the assignment.

(Assignment for Unfiled Application for United States Patent—page 2 of 2)

RECORDED: 12/10/1999

PATENT REEL: 010459 FRAME: 0792