

Atty. Dkt. No. 040447-0272

FORM PTO-1595 (modified) (Rev 6-93)		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
<b>RECORDATION FORM COVER SHEET PATENTS ONLY</b>			
To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.			
1. Name of conveying party(ies):  <b>Junichirou ISHII Hiroshi TSUCHI</b>		2. Name and address of receiving party(ies):  <b>NEC CORPORATION 7-1 Shiba 5-chome Minato-ku, Tokyo, JAPAN</b>	
Additional conveying party(ies) <b>NO</b>			
3. Nature of conveyance: <b>ASSIGNMENT</b> Execution Date: <b>December 12, 2005</b>		Additional name(s) & address(es) attached? <b>NO</b>	
4. Application number(s) or patent number(s):  If this is being filed together with a new application, the execution date of the application is:			
A. Patent Application Number(s):  <b>11/300,387</b>		B. Patent Number(s):	
Additional numbers attached? <b>NO</b>			
5. Name and address of party to whom correspondence concerning document should be faxed:  <b>David A. Blumenthal FOLEY &amp; LARDNER LLP Washington Harbour 3000 K Street, N.W., Suite 500 Washington, D.C. 20007-5143 FAX: (202) 672-5399</b>		6. Total number of applications/patents involved: <b>1</b>	
		7. Total fee (37 C.F.R. § 3.41): <b>\$40.00</b>  Check Enclosed <input checked="" type="checkbox"/> Charge to deposit account	
		8. Deposit account number: <b>19-0741</b>	
<b>DO NOT USE THIS SPACE</b>			
9. Statement and signature: <i>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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.</i>			
<i>Phillip J. Articola</i> <b>David A. Blumenthal</b>		<i>Phillip J. Articola</i> <b>January 12, 2006</b>	
Name of person signing		Signature <i>Res. No. 38,819</i>	
		Date	
Total number of pages including cover sheet, attachments, and document: <b>3</b>			

CH \$40.00 190741 11300387

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

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

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

OUTPUT CIRCUIT, DIGITAL/ANALOG CIRCUIT AND DISPLAY APPARATUS

as set forth in this United States Patent Application

Check  
one

☒ executed concurrently herewith  
☐ executed on \_\_\_\_\_  
☒ Serial No. 11/300,387 Filed 12/15/2005  
and

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors 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 ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation,


and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority 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.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

**NAME AND SIGNATURE OF INVENTOR(S)**

NAME: Junichirou ISHII SIGNATURE: Junichirou Ishii  DATE: December 12, 2005

NAME: Hiroshi TSUCHI SIGNATURE: Hiroshi Tsuchi  DATE: December 12, 2005

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_ SIGNATURE: Quato Kimura DATE: December 12, 2005

NAME: \_\_\_\_\_ SIGNATURE: Quato Kimura DATE: December 12, 2005

Note: *Prima facie* evidence of execution may optionally be obtained by execution 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.