Atty. Dkt. No. 067123-0205

FORM PTO-1595 (modified)	U.S. DEPARTMENT OF COMMERCE				
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To the Director of the United States Patent and Trademark Office	e: Please record the attached original documents or copies thereof.				
Name of conveying party(ies):	Name and address of receiving party(ies):				
Yasuhiro KOSAKA					
Tasumio Rosaria					
	NEC Electronics Corporation				
	1753 Shimonumabe, Nakahara-ku, Kawasaki,				
	Kanagawa 211-8668, Japan				
Additional conveying party(ies)					
Nature of conveyance:					
ASSIGNMENT					
Execution Date:	Additional name(s) & address(es) attached? NO				
May 6, 2005  4. Application number(s) or patent number(s):	Additional marrie(s) & address(es) attached:				
If this is being filed together with a new application, the ex	ecution date of the application is:				
	B. Patent Number(s):				
A. Patent Application Number(s):	B. Patent Number(s).				
11/126,327					
4.116					
5. Name and address of party to whom correspondence	bers attached? NO				
concerning document should be faxed:	6. Total number of applications/patents involved:				
Soliderining addantiation and a second	7. Total fee (37 C.F.R. § 3.41): \$40.00				
David A. Blumenthal	St. J. Fredrand				
FOLEY & LARDNER LLP	Check Enclosed				
Washington Harbour	X Charge to deposit account				
3000 K Street, N.W., Suite 500					
Washington, D.C. 20007-5143 FAX: (202) 672-5399	8. Deposit account number: 19-0741				
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To the hest of my knowledge and belief, the foregoin	ng 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.					
David A. Blumenthal Philip	leterila 31 May 2005				
Name of person signing	Signature Date				
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Ⅱ Total number of pa	ages including cover sheet, attachments, and document: 3				

PATENT REEL: 016291 FRAME: 0142 05/31/2005 13:50 FAX 🖾 002

## 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 Electronics Corporation, 1753 Shimonumabe, Nakahara-ku, Kawasaki-shi, Kanagawa, 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

APPARATUS FOR INPUTTING CLOCK SIGNAL AND DATA SIGNALS OF SMALL AMPLITUDE LEVEL WITH START TIMING OF INPUTTING CLOCK SIGNAL AHEAD OF THAT OF INPUTTING DATA SIGNALS

as set forth in this United States Patent Application

Check	x executed con	currently herewith		
one	executed on Serial No.		Filed _	
	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 counties 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,

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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: _	YASUHURO KOSAKA	SIGNATURE: Yasuhiro Kosaka	DATE: <u>May</u> 6, 2005
NAME: _		_ SIGNATURE:	DATE:
NAME:		_SIGNATURE:	DATE:
NAME:	· · · · · · · · · · · · · · · · · · ·	_SIGNATURE:	DATE:
NAME A	AND SIGNATURE OF W	<u>TITNESSES</u>	
NAME:	HITOSHI UKAI	SIGNATURE: Milaslin Clar	
NAME:	_AKIRA_MUTO	SIGNATURE: Charles	DATE: <u>Мау. 6, 2005</u>
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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.

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RECORDED: 05/31/2005