G_{\prime}		Atty. Dkt. No. 081848-0208			
FORM PTO-1595 (modified)	06-30-2009	U.S. DEPARTMENT OF COMMERCE			
(Rev 6-93) RECOF		Patent and Trademark Office			
$\mathcal{N}_{\mathcal{D}}$	· 	12/448533			
To the Director of the United States Patent a	103565448	ned original documents or copies thereof.			
Name of conveying party(ies):	2. Name and addres	ss of receiving party(ies):			
Hiromi HONMA					
•	7-1 Shiba 5-cl	NEC CORPORATION 7-1 Shiba 5-chome, Minato-ku Tokyo, 108-8001 Japan			
Additional conveying party(ies) NO 3. Nature of conveyance: ASSIGNMENT					
Execution Date: June 17, 2009	Additional name(s) 8	address(es) attached? NO			
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: June 17, 2009					
A. Patent Application Number(s):	B. Patent N	umber(s):			
	litional numbers attached? NO				
Name and address of party to whom correspon concerning document should be faxed:	6. Total number of a	applications/patents involved: 1			
Canada C. Baak	7. Total fee (37 C.F.	.R. § 3.41): \$40.00			
George C. Beck FOLEY & LARDNER LLP	Check Enclose	ed			
Washington Harbour	-				
3000 K Street NW, Suite 500	Authorized to b	be charged to deposit account			
Washington, D.C. 20007-5143 FAX: (202) 672-5399	8. Payment Informa	tion			
	I				
DO NOT USE THIS SPACE					
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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.					
George C. Beck	/ Inde	June 24, 2009			
Name of person signing	Signature	Date			
Total number of pages including cover sheet, attachments, and document. 3					

06/29/2003 MJAMA1

00000001 1244 533

01 FC:8021

12/448533

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 108-8001, 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

INFORMATION REPRODUCING DEVICE

s set forth in	this United States P	atent Application	1	
Check one	executed cond executed on Serial No.	currently herewith	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,

Page 1 of 2

002.1168943.1

PATENT REEL: 022895 FRAME: 0991

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: Hiromi HONMA	SIGNATURE: Idiom Horner	DATE: June 17, 2009				
NAME:	SIGNATURE:	DATE:				
NAME:	SIGNATURE:	DATE:				
NAME:	SIGNATURE:	DATE:				
NAME:	SIGNATURE:	DATE:				
NAME AND SIGNATURE OF WITNESSES						
NAME: Masato KIMURA	SIGNATURE: Janute Krins	DATE: June 17, 2009				
NAME: Akira MUTO	SIGNATURE: The San	DATE: June 17, 2009				

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.

Page 2 of 2

002.1168943.1

RECORDED: 06/24/2009

REEL: 022895 FRAME: 0992