PATENT ASSIGNMENT

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY DATA					
		Name	Execution Date		
Masahiro KAWATO			12/03/2012		
RECEIVING PARTY DATA					
Name:	NEC CORPORA	NEC CORPORATION			
Street Address:	7-1, Shiba 5-chor	7-1, Shiba 5-chome, Minato-ku			
City:	Tokyo				
State/Country:	JAPAN	JAPAN			
Postal Code:	108-8001				
PROPERTY NUMBERS Total: 1					
Property Type		Number			
Application Number: 13807549				54.9	
CORRESPONDENCE	DATA			13807549	
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ATTORNEY DOCKET NUMBER:		Q200341			
NAME OF SUBMITTER:		Alexander E. Auerbach, New App. Spec.			
Total Attachments: 1 source=ASSIGNMENT#page1.tif					

Docket No._____

Assignment

Where Masahiro KAV	as, I/We, VATO		of
	ifter called assignors, H PROVIDING SYST	have invented certain im YEM	provements in
and ex	ecuted an application f	for Letters Patent of the	United States of America therefor or

	, and
Whereas,	NEC Corporation
	a Corporation of Japan,
	having a place of business at
	7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, Japan

(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged.

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys under U.S.P.T.O. Customer Number 71799 to insert here in parentheses (Application number 13/807,549 and Confirmation number 3502 December 28, 2012 _____, filed

) the application number and filing date of said application when known.

Date:	December 3, 2012	Marahiro kamoto 🕑
	s/	Masahiro KAWATO
Date:		
	s/	
Date:		
	s/	·
Date:		
	s/	

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT REEL: 029547 FRAME: 0688

RECORDED: 12/31/2012