

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Eiji AKIYAMA</td><td>10/23/2009</td></tr><tr><td>Fujio OKUMURA</td><td>10/23/2009</td></tr><tr><td>Osamu ISHIBASHI</td><td>10/23/2009</td></tr></tbody></table>		Name	Execution Date	Eiji AKIYAMA	10/23/2009	Fujio OKUMURA	10/23/2009	Osamu ISHIBASHI	10/23/2009		
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>NEC CORPORATION</td></tr><tr><td>Street Address:</td><td>7-1, Shiba 5-chome</td></tr><tr><td>City:</td><td>Minato-ku, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>108-8001</td></tr></table>		Name:	NEC CORPORATION	Street Address:	7-1, Shiba 5-chome	City:	Minato-ku, Tokyo	State/Country:	JAPAN	Postal Code:	108-8001
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PROPERTY NUMBERS Total: 1											
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Application Number:	12663398										
CORRESPONDENCE DATA											
Fax Number: (202)293-7860 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Total Attachments: 1 source=Q115724_EXECUTED_ASSIGNMENT#page1.tif											

CH 12663398 \$40.00

PATENT

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REEL: 023614 FRAME: 0308

## Assignment

Whereas, I/We, Eiji AKIYAMA, Fujio OKUMURA and Osamu ISHIBASHI, <sup>all of Tokyo, Japan</sup>

hereinafter called assignor(s), have invented certain improvements in  
Optical switch

and executed an application for Letters Patent of the United States of America therefor on  
October 23, 2009; and

Whereas,

NEC CORPORATION

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 the right to claim priority under 35 U.S.C. §119, and I/we request the Director – 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 SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 12663398 and Confirmation number 3488, filed December 7, 2009) the filing date and application number of said application when known.

Date: October 23, 2009

s/ Eiji AKIYAMA

Date: October 23, 2009

s/ Fujio OKUMURA

Date: October 23, 2009

s/ Osamu ISHIBASHI

Date:

s/

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

Witness:

Shinichi Kimura  
Shinichi Kimura