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Execution Date: July 3, 2000

4. Application number(s) or patent number(s):  
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09 614 592

5. Name and address of party to whom correspondence concerning document should be mailed:  
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
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1  
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# Assignment

Whereas, ~~I/We~~ Toshifumi SATO of  
Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in  
PATH SEARCH CIRCUIT FOR SIMULTANEOUSLY PERFORMING ANTENNA DIRECTIVITY  
CONTROL AND PATH SEARCH  
and executed an application for Letters Patent of the United States of America therefor on  
July 3, 2000 ~~at~~ ; and

Whereas, NEC Corporation  
7-1, Shiba 5-chome, Minato-ku, Tokyo, 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 Commissioner of Patents 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 my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of  
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application  
number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application  
number of said application when known.

Date: July 3, 2000 s/ Toshifumi Sato  
Toshifumi SATO

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

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

8/92 Witness : Hidemi Saito  
[Signature]