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1-31-92

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7-1, Shiba 5-chome  
Minato-ku, Tokyo 108-8001  
JAPAN

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2. Name and address of receiving party(ies)?

NEC INFRONTIA CORPORATION  
2-6-1 Kitamikata  
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JAPAN

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Execution Date: October 2, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

09/208,414, 09/238,502, 09/241,074, 09/246,725,  
09/392,619, 09/576,494, 09/692,321, 09/707,963,  
09/825,337, 09/825,333, 09/828,889, 09/834,944  
and 09/839,228

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:  
13

7. Total Fee (37 CFR 3.41): previously submitted on  
October 10, 2001

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8. Deposit Account No.

19-4880

Howard L. Bernstein

Reg. No. 25,665

January 14, 2002

Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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FROM NEC INFRONTIA CORP.

2002年 1月 8日(火) 18:25/2001年 12月 24日 18:24/文書番号4806046642 P. 3

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Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no		10-18-2001 101876636	
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Execution Date: October 2, 2001			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 09/208,414, 09/238,502, 09/241,074, 09/246,725, 09/392,619, 09/576,494, 09/692,321, 09/707,963, 09/825,337, 09/825,333, 09/828,889, 09/834,944 and 09/839,228		B. Patent No.(s)	
		6. Total number of applications and registration involved: 13	
		7. Total Fee (37 CFR 3.41): \$520.00 <input type="checkbox"/> Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880. <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account	
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10/17/01 09:48:00 002011  
01 P.03 10.00 CR

# PATENT APPLICATION ASSIGNMENT

WHEREAS, NEC Corporation, a Japanese corporation, having a place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001 JAPAN is an owner and assignee of record of the patent applications listed below;

WHEREAS, NEC Infrontia Corporation, a Japanese corporation, having its principal place of business at 2-6-1 Kitamikata, Takatsu-ku Kawasaki 213-8511, Japan is desirous of obtaining the entire right, title, and interest in the patent applications listed below and inventions disclosed therein, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, receipt of which is hereby acknowledged, NEC Corporation, hereby sells, assigns and transfers to NEC Infrontia Corporation, its successors and assigns, the Assignor's entire right, title and interest including rights to recover for past infringement in the below listed patent applications, the inventions disclosed therein, and to any and all patents for the United States of America, which may be granted thereon, and requests the Director - U.S. Patent and Trademark Office to issue any Letters Patents granted upon the inventions set forth in said Applications to the Assignee herein, its successors and assigns; and Assignor will execute without further consideration all papers deemed necessary by the Assignee in connection with said United States patent applications when called upon to do so by the Assignee.

Serial No.	Filing Date
09/208,414	December 10, 1998
09/238,502	January 27, 1999
09/241,074	February 1, 1999
09/246,725	February 9, 1999
09/392,619	September 9, 1999
09/576,494	May 23, 2000
09/692,321	October 20, 2000
09/707,963	November 8, 2000
09/825,337	April 4, 2001
09/825,333	April 4, 2001
09/828,889	April 10, 2001
09/834,944	April 16, 2001
09/839,228	April 23, 2001

IN WITNESS WHEREOF, NEC Corporation has executed this Assignment by proper persons duly authorized.

Attest:

Akira Muto

NEC Corporation

Nagahisa Yuasa

Assistant General Manager  
Intellectual Property Division

Date: October 2, 2001