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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hidemitsu NIKO

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

NEC CORPORATION

7-1, Shiba 5-chome

Minato-ku, Tokyo, Japan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: April 12, 2002

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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: April 12, 2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

10/125593

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 patents involved:

1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.☐ Authorized to be charged to deposit account

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*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.*

J. Frank Osha

Reg. No. 24,625

April 19, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

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Box Assignment

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04/22/2002 SSESHE1 00000046 10125593

02 FC:581

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PATENT  
REEL: 012824 FRAME: 0095

# Assignment

Whereas, I/~~We~~, Hidemitsu NIKO of  
c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan  
hereinafter called assignor(s), have invented certain improvements in  
SHADING CORRECTION CIRCUIT AND DIGITAL CAMERA SIGNAL PROCESSING  
CIRCUIT USING THE SAME  
and executed an application for Letters Patent of the United States of America therefor on  
April 12, 2002; 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 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 \_\_\_\_\_ and Confirmation number \_\_\_\_\_) the filing date \_\_\_\_\_, filed \_\_\_\_\_ the filing date and application number of said application when known.

Date: 12 APR 2002 Hidemitsu NIKO  
s/ Hidemitsu NIKO  
Date: \_\_\_\_\_  
s/ \_\_\_\_\_  
Date: \_\_\_\_\_  
s/ \_\_\_\_\_  
Date: \_\_\_\_\_  
s/ \_\_\_\_\_

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

Witness: Takeshi Matsumoto Shiro Matsuda