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. 103041668

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies):**

Hideki Nishimura (07/01/2005) and Kazuhiro Tomizawa (07/01/2005)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**

Execution Date(s): in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name  
☐ Security Agreement ☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: NEC Infrontia Corporation

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

NEC Infrontia Corporation  
 2-6-1, Kitamikata, Takatsu-ku,  
 Kawasaki-shi,  
 Kanagawa 213-8511  
 Japan

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional name(s) & address(es) attached: ☒ Yes ☐ No**4. Application or patent number(s):**

A. Patent Application No.(s)

This application

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Michael J. Scheer  
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**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 1002

Expiration Date 02/28/06

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

Michael J. Scheer - 34,425

Name of Person Signing

July 8, 2005

Date

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

2

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**PATENT**  
**REEL: 016765 FRAME: 0934**

RECORDATION FORM COVER SHEET  
(continued)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

11/176283  
11/176283  
070805

Additional Assignees (2. Continued):

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Internal Address:

Street Address:

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Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers  
4A. Continued:Additional Patent Numbers  
4B. Continued:

Additional numbers attached?

☐

Yes

☐

No

PATENT APPLICATION ASSIGNMENT  
SOLE OR JOINT INVENTORS  
EXECUTED OUTSIDE U.S.A.

FILE NO. W1878.0217

WHEREAS, I (We), Hideki NISHIMURA of Kanagawa, Japan and  
Kazuhiro TOMIZAWA of Tokyo, Japan

as assignor(s), have invented certain improvements in  
ELECTRONIC DEVICE HAVING COMPACT HEAT RADIATION STRUCTURE

for which an application for United States Letters Patent has been  
executed by me (us) of even date herewith; and

WHEREAS, NEC INFRONTIA CORPORATION, 2-6-1, Kitamikata,  
Takatsu-ku, Kawasaki-shi, Kanagawa 213-8511 Japan; and  
NEC ENGINEERING, LTD., 18-21, Shibaura 3-chome,  
Minato-ku, Tokyo 108-0023 Japan

as assignee, is desirous of acquiring all right, title and interest in and to said invention and  
any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (We), as assignor(s), hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date: July 1, 2005

Date: July 1, 2005

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Hideki Nishimura

Hideki NISHIMURA

Kazuhiro Tomizawa

Kazuhiro TOMIZAWA

LEGALIZATION RECOMMENDED

Witness: \_\_\_\_\_

Satoru SUZUKI

Satoshi Banno  
Satoshi BANNO