

Docket No.: 20544

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
PD8A/REV04

Tab settings

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Nobuaki Miyamoto
Akira Chinda
Koki Hirasawa
Kenji Uchida
Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):
Name: **Hitachi Cable, Ltd.**
Address: **14-1 Sotokanda 4-chome**
Chiyoda-ku

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: **March 14, 2007**

City: **Tokyo** State/Prov.:
Country: **Japan** ZIP:
Additional name(s) & address(es) Yes No

4. Application number(s) or patent numbers(s):
If this document is being filed together with a new application, the execution date of the application is:
Patent Application No. **11/645,948** Filing date **December 27, 2006**
Additional numbers Yes No

B. Patent No.(s)
 Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Paul J. Esatto, Jr.**
Registration No. **30,749**
Address: **SCULLY, SCOTT, MURPHY & PRESSER, P.C.**
400 Garden City Plaza - Suite 300
City: **Garden City** State/Prov.: **NY**
Country: **USA** ZIP: **11530**

6. Total number of applications and patents involved: **1**
7. Total fee (37 CFR 3.41):.....\$ **40.00**
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8. Deposit account number:
19-1013/SSMP
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9. Statement and signature.
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.
Paul J. Esatto, Jr. **March 29, 2007**
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: **8**

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

700318038

REEL: 019097 FRAME: 0648

CH \$40.00 191013 11645948

Docket No. 20544

2. Name and Address of Receiving Parties (Continued)

Name: NEC Electronics Corporation
Address: 1753 Shimonumabe, Nakahara-ku
Kawasaki
City: Kanagawa
Country: Japan

PHCF-06096

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned,

Hereby sell, assign and transfer to Hitachi Cable, Ltd., a corporation of Japan, having a place of business at 14-1 Sotokanda 4-Chome, Chiyoda-ku, Tokyo, Japan, and NEC Electronics Corporation, a corporation of Japan, having a place of business at 1753 Shimonumabe, Nakahara-ku, Kawasaki, Kanagawa, Japan, its successors, assigns and legal representatives, the entire right, title and interest for all countries; in and to any and all improvements which are disclosed and claimed, and as possessed by the undersigned, any and all improvements which are disclosed but not claimed, in the application for United States Patent Serial Number 11/645,948 filed on December 27, 2006, which has been executed by the undersigned on

even date herewith

and is entitled ELECTRONIC DEVICE SUBSTRATE, ELECTRONIC DEVICE AND METHODS FOR MAKING SAME

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements;

Authorize and request the Commissioner of Patents to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said improvements, or any of them, disclosed in said application;

PHCF-06096

Agree that said Assignee may apply for and receive foreign Letters Patent for said improvements, or any of them; and may claim, in applications for said foreign Letters Patent, the priority of the aforesaid United States application under the provisions of the International Convention; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths; assignments, powers of attorney and other papers; communicate to said Assignee its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

PHCF-06096

Nobuaki Miyamoto

Nobuaki MIYAMOTO

Date: March 14, 2007

Witness: M. Kato

Akira Chinda

Akira CHINDA

Date: March 14, 2007

Witness: M. Kato

Koki Hirasawa

Koki HIRASAWA

Date: March 14, 2007

Witness: Takeshi Uchi

Kenji Uchida

Kenji UCHIDA

Date: March 14, 2007

Witness: Takeshi Uchi

400 Garden City Plaza-Suite 300
Garden City, New York 11530
(516) 742-4343 - Telephone
(516) 742-4366 - Facsimile
e.mail: intprop@ssmp.com

**SCULLY, SCOTT, MURPHY
& PRESSER, P.C.**

Fax

To: RIGHT FAX TRANSMISSION
U.S. Patent & Trademark Office

From: Paul J. Esatto, Jr.

Fax: 571-273-0140

Pages: 8 (including cover)

Phone:

Date: March 29, 2007

Re: Assignment Recordal
Applicant: Nobuaki Miyamoto, et al.
USSN: 11/645,948
Our Docket: 20544

CC:

Urgent For Review Please Comment Please Reply Please Recycle

Attached for recordation in the United States Patent & Trademark Office are the following documents:

- 1) Recordation Form Cover Sheet in duplicate**
- 2) Assignment**
- 3) Authorization to charge deposit account**

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**PATENT
REEL: 019097 FRAME: 0653**

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