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S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Docket No. 566.40595X00

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

1. Name of conveying party(ies):

Hirayoshi Tanei,
Tsuyoshi Fujita,
Masato Kirigaya,
Yasuo Akutsu,
Kaoru Uchiyama,
Hiroatsu Tokuda and
Hiroshi Soma

2. Name and address of receiving party(ies)

Name: **Hitachi, Ltd.**

Internal

Address: **6, Kanda Surugadai**Street Address: **4-chome, Chiyoda-ku**City: **Tokyo** State: **Japan** Zip: _____Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherAdditional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: **December 12, 2002, February 14, 2003,**
March 14, 2003, February 24, 2003, February 24, 2003,
February 24, 2003 and March 3, 2003.

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: .

A. Patent Application No.(s)

B. Patent Registration No.(s)

09/941,988, filed August 30, 2001Additional number(s) attached ☐ Yes ☒ No

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

Name: **Antonelli, Terry, Stout & Kraus**

Internal Address:

1300 North Seventeenth Street
Suite 1800

City: **Arlington** State: **VA** Zip: **22209**6. Total number of applications and patents involved **1**7. Total fee (37 CFR 3.41)..... **\$40.00**☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

01-2135

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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.

William I. Solomon, Reg# 28,565
10/03/2003

Name of Person Signing

Signature

Date

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

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PATENT
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ASSIGNMENT
(譲 渡 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

ELECTRONIC COMPONENT AND METHOD OF MANUFACTURING THE SAME

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Hirayoshi Tanei</u>	<u>12/12/2002</u>
2) <u>Fujita Tsuyoshi</u>	<u>2/14/2003</u>
3) <u>Mazato Hiroyasu</u>	<u>3/14/2003</u>
4) <u>Yasuo Akutsu</u>	<u>2/24/2003</u>
5) <u>Naoru Uchiyama</u>	<u>2/24/2003</u>
6) <u>Hiroatsu Takuda</u>	<u>2/24/2003</u>
7) <u>Hiroshi Soma</u>	<u>3/3/2003</u>
8) _____	_____
9) _____	_____