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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):
**Yasuhiro TANIGUCHI, Kazuyoshi SHIBA,
Nozomu MATSUZAKI, Hidenori TAKADA,
Hitoshi KUME, Shoji SHUKURI**

Additional names(s) of conveying party(ies) Yes No

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

Name: **Hitachi, Ltd.**

Address: **6, Kanda Surugadai 4-chome**

City: **Chiyoda-ku** State/Prov.: **Tokyo**

Country: **JAPAN** ZIP: _____

Additional name(s) & address(es) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: **Oct. 11, 12 & 17, 2001** *12/07/01*

4. Application number(s) or patent numbers(s): **10 005300**

If this document is being filed together with a new application, the execution date of the application is: **Oct. 11, 12 & 17, 2001**

Patent Application No. Filing date

B. Patent No.(s)

2001/10/11 HIGHWAY 00000002 10005300

01 RECEIPT	740.00 DP
02 RECEIPT	852.00 DP
03 RECEIPT	40.00 DP

Additional numbers Yes No

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

Name: **Mitchell W. Shapiro**

Registration No. **31,568**

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1751 Pinnacle Dr., Ste. 500

City: **McLean** State/Prov.: **VA**

Country: **U.S.** ZIP: **22102-3833**

6. Total number of applications and patents involved: **1**

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

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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.

Mitchell W. Shapiro

December 7, 2001

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2

Date

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PATENT
REEL: 012358 FRAME: 0115

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

A SEMICONDUCTOR DEVICE AND A 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 owner-ship 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>Yasuhiro Taniguchi</u> (Yasuhiro TANIGUCHI)	<u>11 / October / 2001</u>
2) <u>Kazuyoshi Shiba</u> (Kazuyoshi SHIBA)	<u>12 / Oct. / 2001</u>
3) <u>Nozomu Matsuzaki</u> (Nozomu MATSUZAKI)	<u>17 / Oct. / 2001</u>
4) <u>Hidenori Takada</u> (Hidenori TAKADA)	<u>12 / Oct. / 2001</u>
5) <u>Hitoshi Kume</u> (Hitoshi KUME)	<u>17 / Oct / 2001</u>
6) <u>Shoji Shukuri</u> (Shoji SHUKURI)	<u>12 / Oct. / 2001</u>
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____