

PATENTS ONLY (ref OG 7/28/92)

07-24-2000

To the Honorable Cc
Please record the attRemarks:
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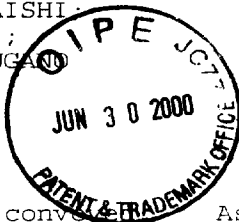
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1. Name of Party(ies) conveying an interest: 2. Name and Address of Party(ies) receiving an interest:

Shuichiro AZUMA; Takayuki OKINAGA;
Takashi EMATA; Tomoaki KUDAISHI;
Tamaki WADA; Kunihiro NISHI;
Masachika MASUDA; Toshio SUGANO

HITACHI, LTD.
6, Kanda Surugadai 4-chome
Chiyoda-ku, Tokyo, JAPAN and

HITACHI ULSI Systems Co., Ltd.
5-22-1, Josuihon-cho,
Kodaira-shi, Tokyo, JAPAN



3. Description of the interest conveyed: Assignment

4. Application number(s) or patent number(s).

Additional sheet attached? XXX Yes XXX No

If this document is being filed together with a new application,
the execution date of the application is: DATE

- A. Patent Application No.(s)

- B. Patent No.(s)

09/210,883

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

John R. Mattingly
Mattingly, Stanger & Malur, P.C.
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6. Number of applications and patents involved: One
7. Amount of fee enclosed or authorized to be charged: \$40.00
8. The Commissioner is hereby authorized to charge Deposit Account No. 50-1417 if no check is attached.

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9. Execution date of attached document: November 17, 1998

10. To the best of my knowledge and belief, I declare under penalty of perjury under the laws of the United States of America that the foregoing information is true and correct and that any attached copy is a true copy of the original document.

Daniel J. Stanger
Name of Person Signing

Daniel J. Stanger
Signature

June 30, 2000
Date

Total number of pages being submitted: 3

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PATENT
REEL: 010929 FRAME: 0820

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to Hitachi, Ltd. & Hitachi ULSI Systems Co., Ltd. of Chiyoda-ku, Tokyo, Japan & Kodaira-shi, Tokyo, Japan its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

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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 by me 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. & Hitachi ULSI Systems Co., Ltd., its successors, assigns or other legal representatives, to the full end of the 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. & Hitachi ULSI Systems Co., Ltd.

(Full Name)

(Signature)

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Residence _____ Citizenship _____
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Witness(es)

- All) _____ 4) Kazuya Tsuboi 8) Kouichi Kanemoto
1) Masato Numazaki 5) Yasuhisa Hagiwara 9) _____
2) Takashi Kikuchi 6) Masahiro Ichitani 10) _____
3) Masato Numazaki 7) Takashi Hatanaka