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H-594



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MRD 12-11-98

PATENTS ONLY (ref OG 7/28/92)

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

- 1. Name of Party(ies) conveying an interest:
- 2. Name and Address of Party(ies) receiving an interest:

Nobuaki KANAZAWA
Masao MIZUKAMI
Kunihiro ITO



HITACHI, LTD.
6, Kanda Surugadai 4-chome
Chiyoda-ku, Tokyo, JAPAN
and
HITACHI COMMUNICATION SYSTEMS, INC.
180, Totsuka-machi
Totsuka-ku, Yokohama-shi
Kanagawa, JAPAN

3. Description of the interest conveyed: Assignment

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

Additional sheet attached? ___ 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)

08/750,581

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

Thomas E. Beall, Jr.
Fay, Sharpe, Beall,
Fagan, Minnich & McKee
104 East Hume Avenue
Alexandria, Virginia 22301

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. 02-1540 if no check is attached.

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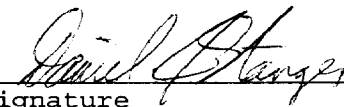
40.00 DP

9. Execution date of attached document: January 10, 1997

PATENT
REEL: 9626 FRAME: 0067

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.

John R. Mattingly
Name of Person Signing


Signature
DANIEL J. STANGER

December 11, 1998
Date

Total number of pages being submitted: 3

ASSIGNMENT

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, a 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; and HITACHI COMMUNICATION SYSTEMS, INC., a corporation organized under the laws of Japan, located at 180, Totsukamachi, Totsuka-ku, Yokohama-shi, Kanagawa, JAPAN, receipt of which is hereby acknowledged, I do hereby sell and assign to said HITACHI, LTD. and HITACHI COMMUNICATION SYSTEMS, INC., their successors and assigns, all my right, title and interest, in and for the United States of America, in and to

**SIGNAL RECEIVING CIRCUIT AND DIGITAL
SIGNAL PROCESSING SYSTEM**

U.S. Serial No. _____ filed on December 12, 1996
invented by us and described in the application for United States Letters Patent, 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. and HITACHI COMMUNICATION SYSTEMS, INC., their successors and 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. and HITACHI COMMUNICATION SYSTEMS, INC.

Signed on the date(s) indicated aside signatures.

INVENTOR	Date Signed	Witnesses
1) <u>Nobuaki Kanazawa</u> Nobuaki KANAZAWA	<u>January 10, 1997</u>	<u>Yutaka Watanabe</u>
2) <u>Masao Mizukami</u> Masao MIZUKAMI	<u>January 10, 1997</u>	<u>Masatoshi Kawashima</u>
3) <u>Kunihiro ITO</u> Kunihiro ITO	<u>January 10, 1997</u>	<u>Masaaki Tanaka</u>