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Attorney Docket No. 500.44065X00

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1. Name of conveying party(ies):

HANAOKA, SEISHI
TAMAKI, SATASHI
YANO, TAKASHI

7-20-04

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: **HITACHI COMMUNICATION
TECHNOLOGIES, LTD.**

Address: **26-3, Minamiohi 6-chome,
Shinagawa-ku, Tokyo, Japan**

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10/894062

07/2004

3. Nature of conveyance:

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

Execution Date: **June 23, 2004.**Additional name(s) & address(es) attached? ☐ Yes ☒ No

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: **June 23, 2004.**

A. Patent Application No.(s)

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No

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

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

Internal Address:

1300 North Seventeenth Street
Suite 1800
Arlington, VA 22209
USA

City: _____ State: _____ Zip: _____

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.

Hung H. Bui, Reg# 40,415

Name of Person Signing

Signature

July 20, 2004

Date

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

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PATENT
REEL: 015595 FRAME: 0575

W1765-0,
(*)

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 Communication Technologies, Ltd., a corporation organized under the laws of Japan, located at 26-3, Minamiohi 6-chome, Shinagawa-ku, Tokyo Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Communication Technologies, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

ADAPTIVE MODULATION/DEMODULATION METHOD AND RADIO COMMUNICATIONS SYSTEMS

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 Communication Technologies, 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 Communication Technologies, Ltd.,

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1) <u>Seishi Hanaoka</u>	<u>6/23/2004</u>
2) <u>Satoshi Tamaki</u>	<u>6/23/2004</u>
3) <u>Takashi Yano</u>	<u>6/23/2004</u>
4) _____	_____
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____