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To the Honorable Commissioner of Patent

100855928

Send original documents or copy thereof.

1. Name of conveying party(ies):

Yoshiteru ISHIDA, Naoki SATOH, Terumi TAKASHI,
Akihiko HIRANO, Seiichi MITAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: September 14, 1998

2. Name and address of receiving party(ies)

Name: Hitachi LTD

Internal Address: _____

Street Address: 6, Kanda Surugadai 4-ChomeChiyoda-Ku, Tokyo Japan

City: _____ State: _____ ZIP: _____

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: September 14, 1998

A. Patent Application No.(s)

10/09/1998 TWILLIAM 00000042 09161734

03 FC:581

40.00 OP

Additional numbers attached? ☐ Yes ☒ No

B. Patent No.(s)

89/161734

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

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address: _____

Street Address: 1300 NORTH SEVENTEENTH STREETSUITE 1800City: ARLINGTON State: VA ZIP: 222096. Total number of applications and patents involved: 17. 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.*Melvin KrausName of Person Signing 22,466

Signature

September 29, 1998

Date

Total number of pages including cover sheet, attachments, and document: 2Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231PATENT
REEL: 9509 FRAME: 0699

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 REPRODUCED SIGNAL PROCESSING METHOD, REPRODUCED SIGNAL
PROCESSING CIRCUIT, AND A MAGNETIC STORAGE APPARATUS"

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)	Witnesses (立会人サイン)
1) <u>Yoshiteru Ishida</u> (Yoshiteru ISHIDA)	<u>September 14, 1998</u>	<u>Norio Nakajima</u>
2) <u>Naoki Sato</u> (Naoki SATOH)	<u>September 14, 1998</u>	<u>Norio Nakajima</u>
3) <u>Terumi Takashi</u> (Terumi TAKASHI)	<u>September 14, 1998</u>	<u>Norio Nakajima</u>
4) <u>Akihiko Hirano</u> (Akihiko HIRANO)	<u>September 14, 1998</u>	<u>Norio Nakajima</u>
5) <u>Seiichi Mita</u> (Seiichi MITA)	<u>September 14, 1998</u>	<u>Norio Nakajima</u>
6) _____	_____	_____
7) _____	_____	_____
8) _____	_____	_____
9) _____	_____	_____
10) _____	_____	_____