

11-25-03



102616621

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

1. Name of conveying party(ies):

Daisuke Nakamura
Takeshi Aota

Additional name(s) of conveying party(ies) attached?

Yes No

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

New Japan Radio Co., Ltd.
3-10, Yokoyama-cho
Nihonbashi, Chuo-ku
Tokyo-to, Japan

22278 U.S. PTO
10/722163



112503

3. Nature of conveyance:

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

Execution Date: October 30, 2003

Additional name(s) and address(es) attached?

Yes No

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

10/722163

If this document is being filed together with a new application, the execution date of the application is: October 30, 2003

A. Patent Application No.(s)

12/02/2003 HLE333 0000063 10722163

02 FC:8021

40.00 OP

B. Patent No.(s)

Additional numbers attached? Yes No

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

Francis J. Maguire
Ware, Fressola, Van Der Sluys
& Adolphson LLP
755 Main Street, P.O. Box 224
Monroe, Connecticut 06468

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:

23-0442

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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 attachment copy is a true copy of the original document.

Francis J. Maguire

Name of Person Signing

Francis Maguire

Signature

24 Nov '03

Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

PATENT
REEL: 014749 FRAME: 0470

Practitioner's Docket No. _____

PATENT

For: U.S. and/or Foreign Rights
For: U.S. Application or
 U.S. Provisional Application
For: U.S. Patent
For: PCT Application
By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

Daisuke Nakamura
(type or print name of inventors)

c/o NEW JAPAN RADIO CO., LTD., KAWAGOE
SEISAKUSHO, 1-1, Fukuoka 2-chome,
Kamifukuoka-shi, Saitama-ken, Japan

Address Nationality
Japanese

Takeshi Aota

c/o NEW JAPAN RADIO CO., LTD., KAWAGOE
SEISAKUSHO, 1-1, Fukuoka 2-chome,
Kamifukuoka-shi, Saitama-ken, Japan

Japanese

(Assignment of Invention—Multiple Inventors [16-3.2]—page 1 of 3)

hereby sells, assigns and transfers to

ASSIGNEE:

NEW JAPAN RADIO CO., LTD.

(type or print name of ASSIGNEE)

3-10, Yokoyama-cho, Nihonbashi,
Chuo-ku, Tokyo-to, Japan

Address

Japan

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- the entire right, title and interest
 an undivided _____ percent (____ %) interest

for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

- and in all foreign countries, including all rights to claim priority

in and to any and all improvements which are disclosed in the invention entitled:

HEAT DISSIPATING STRUCTURE OF PRINTED CIRCUIT BOARD AND FABRICATING
METHOD THEREOF

(check and complete (a), (b), (c), (d), (e), (f), or (g))

and which is found in (37 C.F.R. § 3.21)

- (a) U.S. patent application executed on even date herewith
(b) U.S. patent application executed on _____
(c) U.S. provisional application naming the above inventor(s) for the above-entitled invention
 Express mail label no.: _____
Mailed: _____
 To comply with 37 C.F.R. § 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.
- (d) U.S. application no. _____ / _____ filed on _____
(e) International application no. PCT _____ / _____ / _____
filed on _____
(f) U.S. patent no. _____ issued _____
 A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(check (g), if foreign application(s) is also being assigned)

- (g) and any legal equivalent thereof in a foreign country, including the right to claim priority

(Assignment of Invention—Multiple Inventors [16-3.2]—page 2 of 3)

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this October 30, 2003
Date of signing

WARNING: *The date of signing must be the same as the date of execution of the application, if item (a) was checked above.*

Daisuke Nakamura
(type name of Inventor)

Daisuke Nakamura
Signature of INVENTOR

Takeshi Aota

TAKESHI AOTA

Notarization or Legalization Page Added.

NOTE: *No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution. 35 U.S.C. § 261. Use next page if notarization is desired.*

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