

11-08-1999

PATENT

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MND 10/28/99



101194882

Original document or copy thereof.

To the Honorable Commissioner of Pa

1. Name of conveying party(ies):

Nobumasa KITAMORI
c/o Murata Manufacturing Co., Ltd.
26-10, Tenjin 2-chome
Nagaokakyo-shi, Kyoto-fu
617-8555 JAPAN

Kazutaka HIGASHI
c/o Murata Manufacturing Co., Ltd.
26-10, Tenjin 2-chome
Nagaokakyo-shi, Kyoto-fu
617-8555 JAPAN

Individual

Additional names(s) of conveying party(ies) attached? NO

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

Murata Manufacturing Co. Ltd.
26-10, Tenjin 2-chome
Nagaokakyo-shi, Kyoto-fu
617-8555 JAPAN

Corporation-State

Additional name(s) & address(es) attached? NO

jc511 U.S. PTO
09/14/99
10/28/99

3. Nature of conveyance:

Assignment

Execution Date: 10/26/99 respectively

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: 10/26/99

A. Application No.(s)

B. Patent No.(s)

11/05/1999 PALLEN 00000001 09429468

03 FC:501

40.00 DP

09/429468

Additional numbers attached? NO

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

OSTROLENK, FABER, GERB & SOFFEN, LLP
1180 Avenue of the Americas
New York, New York 10036-8403

6. Total number of documents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

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8. To the best of my knowledge and belief, the foregoing information is true and correct and any
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Louis C. Dujmich
Name of Person Signing

Signature

October 28, 1999
Date

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

**PATENT APPLICATION ASSIGNMENT -
SOLE OR JOINT INVENTORS
EXECUTED OUTSIDE U.S.A.**

OFGS FILE NO. P/1017-864

WHEREAS, We, Nobumasa KITAMORI and Kazutaka HIGASHI as assignors, have invented certain improvements in ANTENNA APPARATUS AND ANTENNA TRANSCIVER USING THE SAME for which an application for United States Letters Patent has been executed by me (us) of even date herewith; and

WHEREAS, MURATA MANUFACTURING CO., LTD, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, We, as assignors, hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for ourselves and our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date: 26. Oct. 1999

Nobumasa Kitamori
Nobumasa KITAMORI

Date: 26. Oct. 1999

Kazutaka Higashi
Kazutaka HIGASHI

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