

11-27-2001



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Hiroshi IWAI, Atsushi YAMAMOTO, Koichi OGAWA,  
Shinji KAMAEGUCHI, Tsukasa TAKAHASHI and Kenichi  
YAMADA

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

2. Name and address of receiving party(ies):  
Name: Matsushita Electric Industrial Co., Ltd.  
Street Address: 1006, Oazakadoma, Kadoma-shi,  
Osaka-fu, Japan

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

3. Nature of conveyance:  
 Assignment                       Merger  
 Security Agreement               Change of Name  
 Other \_\_\_\_\_

Execution Date: November 15, 2001

10621 U.S. PTO  
09/988716  
11/20/01

4. Application number(s) or patent number(s): 09/988716

If this document is being filed together with a new application, the execution date of the application is: November 15, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? NO

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

Name: WENDEROTH, LIND & PONACK, L.L.P.  
Attn: Charles R. Watts, Esq.

Street Address: 2033 K Street, N.W., Suite 800

City: Washington, State: DC ZIP: 20006-1021

6. Total number of applications and patents involved: 1

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

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8. Deposit account number: 23-0975

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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.*

Charles R. Watts, Reg. No. 33,142  
Name of Person Signing

Charles R. Watts  
Signature

November 20, 2001  
Date

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# ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Hiroshi IWAI, Atsushi YAMAMOTO, Koichi OGAWA,

Shinji KAMAEGUCHI, Tsukasa TAKAHASHI and Kenichi YAMADA

Insert Name(s)  
of Inventor(s)

Insert Name(s)  
of Assignee(s)

Address

the undersigned hereby sell(s) and assign(s) to

Matsushita Electric Industrial Co., Ltd.

of 1006, Oazakadoma, Kadoma-shi, Osaka-fu, Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

ANTENNA AND WIRELESS DEVICE INCORPORATING THE SAME

Title of  
Invention

for which an application for patent in the United States has been executed by the undersigned on

Date of Signing  
Application

November 15, 2001

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, DC 20006, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date November 15, 2001, Name of Inventor Hiroshi Iwai  
 Date November 15, 2001, Name of Inventor Atsushi Yamamoto  
 Date November 15, 2001, Name of Inventor Koichi Ogawa  
 Date November 15, 2001, Name of Inventor Shinji Kamaeguchi  
 Date November 15, 2001, Name of Inventor Tsukasa Takahashi  
 Date November 15, 2001, Name of Inventor Kenichi Yamada

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Kaoru Ishida  
 Witness Toshiaki Matoh

### ACKNOWLEDGMENT

\_\_\_\_\_ } SS  
\_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me  
personally came the above-named \_\_\_\_\_

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL \_\_\_\_\_ Official Signature  
 \_\_\_\_\_ Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. \_\_\_\_\_ Filing Date \_\_\_\_\_  
 Applicant Reference No. FP-0916 Atty. Docket No. \_\_\_\_\_  
 Title of Invention ANTENNA AND WIRELESS DEVICE INCORPORATING THE SAME