

12-07-2001

HEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

DEC 04 2001

To the Honorable Assistant Secretary and  
Comptroller in Charge.

101909610

Please record the attached original document(s).

## 1. Name of conveying party(ies):

Kazuhiro IKURUMI  
Shoichi KAJIWARA

Osamu KUMAZAWA

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

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: May 8 and 11, 2001

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

Name: Matsushita Electric Industrial Co., Ltd.Street Address: 1006, Oaza Kadoma, Kadoma-shi,  
Osaka-fu, JapanAdditional name(s) & address(es) attached? 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:

A. Patent Application No.(s)

09/826,827, filed April 6, 2001

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: Nils E. Pedersen, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006-10216. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). . . . . \$40.00

☒ Enclosed (Check No. 47501)  
 Authorized to be charged to deposit account

8. Deposit account number: 23-0975

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 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.*Nils E. Pedersen, Reg. No. 33,145

Name of Person Signing

Signature

December 4, 2001

Date

Total number of pages including cover sheet: 3

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information:

Commissioner and Assistant Secretary of Patents and Trademarks  
 Box Assignments  
 Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

12/06/2001 6TON11 00000006 09826827

01 FC:581

40.00 DP

PATENT  
 REEL: 012339 FRAME: 0879

# ASSIGNMENT

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

Kazuhiro IKURUMI

Shoichi KAJIWARA, and

Osamu KUMAZAWA

Insert Name(s)  
of Inventor(s)

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

Matsushita Electric Industrial Co., Ltd.

Insert Name(s)  
of Assignee(s)

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

Address

(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

METHOD AND APPARATUS FOR ADJUSTING IMPEDANCE OF

Title of  
Invention

MATCHING CIRCUIT

Date of Signing  
of Application

for which an application for patent in the United States has been executed by the undersigned on  
May 8, May 8, and May 11, 2001, respectively.

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 8.5.2001, Name of Inventor Kazuhiko IKURUMI *Kazuhiko Ikurumi*  
Date 8.5.2001, Name of Inventor Shoichi KAJIWARA *Shoichi Kajiwara*  
Date 11.5.2001, Name of Inventor Osamu KUMAZAWA *Osamu Kumazawa*  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_

(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 Gatano Horimoto

Witness Mikiya Nabata

### ACKNOWLEDGEMENT

\_\_\_\_\_  
\_\_\_\_\_ } ss

This \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, 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 April 6, 2001  
Applicant Reference Number 533281 Atty Docket No. 2001-0409A/00177  
Title of Invention METHOD AND APPARATUS FOR ADJUSTING IMPEDANCE OF MATCHING CIRCUIT