



09-10-2001



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To the Honorable Assistant Secretary and Comm or copy(ies) thereof.

to record the attached original document(s)

1. Name of conveying party(ies):

7-31-01

Hidenori MIYAKAWA; Yoshio MARUYAMA; Hiroshi YAMAUCHI; Mikiya NAKATA; Takashi AKIGUCHI; Yoshinori WADA; and Kazuhiro MORI

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

Name: Matsushita Electric Industrial Co., Ltd.

Street Address: 1006, Oaza Kadoma, Kadoma-shi Osaka-fu, Japan

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

3. Nature of conveyance:

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

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

Execution Date: April 19, 20 and 23, 2001

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)  
09/818,899

B. Patent No.(s)  
, issued

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: Michael S. Huppert, 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

Enclosed (Check No. 46248)  
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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.

Michael S. Huppert, Reg. No. 40,268  
Name of Person Signing

*Michael Huppert*  
Signature

August 31, 2001  
Date

Total number of pages including cover sheet: 3

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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

Hidenori MIYAKAWA, Yoshio MARUYAMA, Hiroshi YAMAUCHI,

Mikiya NAKATA, Takashi AKIGUCHI, Yoshinori WADA, and

Kazuhiro MORI

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

ARTICLE WITH ELECTRONIC CIRCUIT FORMED AND METHOD OF  
MANUFACTURING THE SAME

Title of  
Invention

for which an application for patent in the United States has been executed by the undersigned on April 19, 2001, April 20, 2001, April 19, 2001, April 23, 2001, April 23, 2001, April 20, 2001, and April 20, 2001, respectively.

Date of Signing  
of Application

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 continuation 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 April 19, 2001, Name of Inventor Hidenori Miyakawa  
HIDENORI MIYAKAWA

Date April 20, 2001, Name of Inventor Yoshio Maruyama  
YOSHIO MARUYAMA

Date April 19, 2001, Name of Inventor Hirosi Yamauchi  
HIROSHI YAMAUCHI

Date April 23, 2001, Name of Inventor Mikiya Nakata  
MIKIYA NAKATA

Date April 23, 2001, Name of Inventor Takashi Akiguchi  
TAKASHI AKIGUCHI

Date April 20, 2001, Name of Inventor Yoshinori Wada  
YOSHINORI WADA

Date April 20, 2001, Name of Inventor Kazuhito Mori  
KAZUHITO MORI

(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 Setuo Horimoto

Witness Yoshio Yamayuchi

### 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 March 28, 2001  
 Applicant Reference Number 533280 Atty Docket No. 2001 0367A  
 Title of Invention ARTICLE WITH ELECTRONIC CIRCUIT FORMED AND METHOD OF  
MANUFACTURING THE SAME