

11-13-2002



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09/18/02

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Toshio SUGAWA et al.

Serial No.: 10/203,970

Filed: August 15, 2002

For: CIRCUIT BOARD AND METHOD OF MANUFACTURING THE SAME

ASSIGNMENT TRANSMITTAL LETTER

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

Please record the attached Assignment in the name of the assignor and the assignee as indicated below and return the original document to the undersigned.

1. Submission Type:

Conveyance Type:

- New
- Resubmission (Non-Recordation)
- Document ID# \_\_\_\_\_
- Correction of PTO Error
- Reel # \_\_\_\_\_ Frame # \_\_\_\_\_
- Corrective Document
- Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

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

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 09/18/02

2. Name of Conveying Party(ies):

Toshio SUGAWA, Satoshi MURAKAWA, Masaaki HAYAMA and Takeo YASUHO.

3. Name and Address of Receiving Party(ies):

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN.

4. Execution Date of Assignment: September 6, 2002.

5. If this Assignment is being filed together with a new application, the execution date of the application is: August 15, 2002.

6. Total number of applications and patents involved: 1.

All correspondence should be addressed to:

Roger W. Parkhurst  
PARKHURST & WENDEL, L.L.P.  
Suite 210  
1421 Prince Street  
Alexandria, VA 22314-2805.

The Assignment recordation fee (\$40.00) is covered by our attached Check Number *15810* .

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

If there should be any questions concerning the amount of the fee or should our check become detached, please debit or credit our Deposit Account Number 16-0331 as needed in order to effect proper filing of the attached document.

Respectfully submitted,

PARKHURST & WENDEL, L.L.P.



Roger W. Parkhurst  
Registration No. 25,177

September 18, 2002

Date

Attorney Docket No. MEIC:127

PARKHURST & WENDEL, L.L.P.  
1421 Prince Street, Suite 210  
Alexandria, Virginia 22314-2805  
Telephone: (703) 739-0220

ASSIGNMENT

P27369

- (1-8) Insert Name(s) of Inventor(s)
  - (1) Toshio SUGAWA (5) \_\_\_\_\_
  - (2) Satoshi MURAKAWA (6) \_\_\_\_\_
  - (3) Masaaki HAYAMA (7) \_\_\_\_\_
  - (4) Takeo YASUHO (8) \_\_\_\_\_

In consideration of the sum of dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

- (9) Insert name of Assignee (9) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
- (10) Insert address of Assignee (10) 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 JAPAN.

(hereinafter designated as the Assignee) the entire right, title and interest worldwide, including the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

- (11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (11) CIRCUIT BOARD AND METHOD OF MANUFACTURING THE SAME  
(Case No. MEIC:127)

for which the undersigned executed an application for patent in the United States of America

- (12) Insert Date of Signing of Application (12) on \_\_\_\_\_
- (13) Alternative identification for filed applications (13) U.S. application Serial Number 10/203,970  
filed August 15, 2002

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

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

3) 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, the Patent Cooperation Treaty, the European Patent Convention, or similar agreements or treaties.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of valid patents to the Assignee in the United States and elsewhere worldwide.

5) The undersigned hereby authorize(s) and request(s) the patent offices or authorities to issue any and all Patents or patent rights resulting from said applications or any continuing or divisional 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.

6) The undersigned hereby grant(s) the firm of PARKHURST & WENDEL, L.L.P. 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 and Trademark Office or any other patent office worldwide, for recordation of this document.

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

- Date September 6, 2002 Name of Inventor Toshio Sugawa Toshio SUGAWA (SEAL)
- Date September 6, 2002 Name of Inventor Satoshi Murakawa Satoshi MURAKAWA (SEAL)
- Date September 6, 2002 Name of Inventor Masaaki Hayama Masaaki HAYAMA (SEAL)
- Date September 6, 2002 Name of Inventor Takeo Yasuho Takeo YASUHO (SEAL)
- Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)
- Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)
- Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)
- Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. or (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

- Date September 6, 2002 Witness Suzuki Kimura
- Date September 6, 2002 Witness Mitsuru Mizabe