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SHEET

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yoshiyuki UCHINONO
Kazuo SAWADA
Yasufumi MASAKI
Masahide MUTO

11/27/01

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

Name: Matsushita Electric Works, Ltd.Address: 1048 Oaza-Kadoma

10672 U.S. PRO
09/995085
11/27/01

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherCity: Kadoma-shi State/Prov.: OsakaCountry: Japan ZIP: 571-8686Execution Date: October 31, 2001

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: October 31, 2001

Patent Application No.

Filing date

B. Patent No.(s)

12/04/2001 6TON11 00000183 09995085

01 FC:561

40.00 OP

Additional numbers

☐ Yes ☒ No

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

Name: Jonathan P. OshaRegistration No. 33,986Address: ROSENTHAL & OSHA L.L.P.700 Louisiana, Suite 4550City: Houston State/Prov.: TexasCountry: USA ZIP: 77002

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0591

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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.

Jonathan P. Osha

Name of Person Signing

Signature

11/27/01

Date

5

Total number of pages including cover sheet, attachments, and

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PATENT

REEL: 012330 FRAME: 0020

ASSIGNMENT

譲渡証

本証末尾に署名した者（以下、「発明者」という）は、適正・相当な対価を受領しており、それが十分な対価であることを認識した上で、

(氏名または組織名)

(住所)

(以下「会社」という) と、その承継人および譲受人に対して、

(発明の名称)

という名称で知られ、アメリカ合衆国において末尾署名者が特許申請をした発明(以下、「発明」という)にかかるアメリカ合衆国(その属領、支配地を含むがこれに限らない)におけるすべての権利、権原および利権を、当該特許申請、その分割、継続、一部継続、再発行及び延長、並びに、それらに対して与えられる全ての米国特許証とともに譲渡する。かかる利権とは、「会社」、その承継人、譲受人、またはそれらの法的代理人の上記申請に対する、及び、特許証が与えられたときはそれに対する、本譲渡が行われなかった場合に「発明者」に対して特許証が与えられ、また延長されることにより享受しうると同一の期間にわたる完全な所有権を意味する。

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as "INVENTOR(S)") hereby assign, transfer and set over to:

Matsushita Electric Works, Ltd.

having the following address:

1048 Oaza-Kadoma, Kadoma-shi,
Osaka 571-8636 Japan

(referred to herein as "COMPANY"), its successors and assigns, the entire right, title, and interest for the United States of America (including without limitation its territories and possessions) in and to the invention known by the following title:

MULTILAYER CIRCUIT BOARD AND
METHOD OF MANUFACTURING THE SAME

for which the undersigned has/have executed an application for patent in the United States of America (referred to herein as "INVENTION"), together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all United States Letters Patent which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

さらに、本証末尾に署名した発明者は、それぞれ、以下の
とおり同意する。

1. 「発明」に関するアメリカ合衆国における特許申請の
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及びそれらの分割、継続、一部継続、修正を全て含み、
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ましいものが含まれるが、その限りではない。
2. 工業所有権の保護に関する国際条約またはそれに類
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3. 有効かつ強制力のある特許を「会社」が得るために必
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本証末尾に署名した「発明者」は、それぞれ、アメリカ合衆
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本証末尾に署名した「発明者」は、それぞれ、本証の登記に
あたりアメリカ合衆国特許商標庁の規則に従って必要もし
くは望ましい識別情報を本譲渡証に挿入する権限をローゼ
ンタール・アンド・オーシャ法律事務所に授与する。

In addition, the undersigned INVENTOR(S)
each hereby agrees:

1. To sign and execute any further documents
which may be necessary or desirable, lawful and
proper in connection with the prosecution of all
applications for patent(s) on the INVENTION in
the United States, including without limitation
said application and all divisions, continuations,
continuations-in-part, amendments thereof, and
all interference proceedings associated
therewith, or otherwise necessary or desirable to
secure the title thereto to COMPANY;
2. To execute all papers and documents and to
perform all lawful acts which may be necessary
in connection with claims to priority or
otherwise under the International Convention
for the Protection of Industrial Property or
similar treaties or agreements;
3. To perform all lawful affirmative acts which may
be necessary to obtain the grant of a valid and
enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby
authorizes and requests the Commissioner of Patents
and Trademarks in the United States to issue any and
all Letters Patent resulting from said application,
including without limitation any division, continuation,
continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby
grants to the firm of ROSENTHAL & OSHA 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 for the recordation of this
document.

以上を確認の上、下記の者が下記署名に並んで記された日に各自署名して本譲渡証を発効させた。

(署名)

年月日 氏名 (楷書) :

(署名)

年月日 氏名 (楷書) :

(署名)

年月日 氏名 (楷書) :

(署名)

年月日 氏名 (楷書) :

(署名)

年月日 氏名 (楷書) :

(署名)

年月日 氏名 (楷書) :

本譲渡証はアメリカ合衆国のいずれかの州の公証人または下記に署名する2名の証人の面前で署名されるものとする。

(署名)

年月日 氏名 (楷書) :

(署名)

年月日 氏名 (楷書) :

本譲渡証が特許申請書と同時に提出されなかった場合、下記識別情報が後に追加されるものとする。

米国申請シリアル番号:

申請日:

3

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature

Oct. 31, 2001 Yoshiyuki Uchinono

Date Print or Typed Name:
Yoshiyuki UCHINONO

Oct. 31, 2001 Kazuo Sawada

Date Print or Typed Name:
Kazuo SAWADA

Oct. 31, 2001 Yasufumi Masaki

Date Print or Typed Name:
Yasufumi MASAKI

Oct. 31, 2001 Masahide Muto

Date Print or Typed Name:
Masahide MUTO

Date Print or Typed Name:

Date Print or Typed Name:

This Assignment may be signed before a Notary Public for one of the States of the United States or before two witnesses who sign below:

Oct. 31, 2001 Masayuki Hirota

Date Print or Typed Name:
Masayuki HIROTA

Oct. 31, 2001 Shinji Okamoto

Date Print or Typed Name:
Shinji OKAMOTO

Where this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.:

Filing Date: