



12-27-2002



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Tatsuo YAMAMURA, Takuya TSUTSUMI, Yoshikazu HIGUCHI, Atsuyuki HORIE, Akifumi WADA and Hiroyuki SAKAGUCHI
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, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 Japan
Additional name(s) & address(es) attached? NO

3. Nature of conveyance:
 Assignment Merger
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Execution Date: November 27, 2002

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) 10/270,321, filed October 15, 2002
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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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 *Charles R. Watts* December 18, 2002
Name of Person Signing Signature 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

Insert Name(s)
of Inventor(s)

Tatsuo YAMAMURA, Takuya TSUTSUMI,

Yoshikazu HIGUCHI, Atsuyuki HORIE,

Akifumi WADA and Hiroyuki SAKAGUCHI

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

Insert Name(s)
of Assignee(s)

Matsushita Electric Industrial Co., Ltd.

Address

of 1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 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

Title of
Invention

TAPE FEEDER, ELECTRONIC COMPONENT MOUNTING APPARATUS USING THE SAME, AND
METHOD OF FEEDING ELECTRONIC COMPONENTS

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

Date of Signing
of Application

on November 27, 2002

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, D.C. 20006-1021, 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 recordal of this document.

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

Date November 27, 2002

Tatsuo Yamamura

Tatsuo YAMAMURA

Date November 27, 2002

Takuya tsutsumi

Takuya TSUTSUMI

Date November 27, 2002

Yoshikazu Higuchi

Yoshikazu HIGUCHI

Date November 27, 2002

Atsuyuki Horie

Atsuyuki HORIE

Date November 27, 2002

Akifumi Wada

Akifumi WADA

Date November 27, 2002

Hiroyuki Sakaguchi

Hiroyuki SAKAGUCHI

(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 S. Sasaki

Witness N. Yoshikawa

ACKNOWLEDGMENT

_____ }
_____ } ss

This _____ day of _____, 20____, 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.

Official Signature

SEAL

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No. 10/270,321 Filing Date October 15, 2002

Applicant Reference Number P29004-01(I.S.Fukuda) Atty Docket No. 2002_1320A

Title of Invention TAPE FEEDER, ELECTRONIC COMPONENT MOUNTING APPARATUS USING THE SAME, AND METHOD OF FEEDING ELECTRONIC COMPONENTS