

FORM PTO-1594
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U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 4173.0400

To the Honorable Commissioner of Patents
Please record the attached original document



101229560

PCT/PTO 15 OCT 1999

N. BOX ASSIGNMENTS

1. Name of conveying party(ies):

Osamu SHIMADA
Yoshitaka FUKUOKA
Akihiko TAKAGI
Kenji SASAOKA

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

Name: KABUSHIKI KAISHA TOSHIBA

Internal Address:

Street Address: 72, Horikawa-cho, Saiwai-ku,
Kawasaki-shi, Kanagawa-ken
Japan

City:

State:

Zip Code:

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

3. Nature of conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

Other

Execution Date: September 28, 1999

Additional name(s) & Address(es) attached?

☐ Yes ☒ 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: September 28, 1999

A. Patent Application Number(s):

B. Patent Number(s):

7/1999 WOLBYARD 00000012 09403223

(90.00 GP)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Mr. Ernest F. Chapman

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT
& DUNNER, L.L.P.

6. Total number of applications and registrations involved: 1

7. Total fee (37 CFR 3.41): \$40
☒

Enclosed (Please charge deficiency to deposit account)
☐

Authorized to be charged to deposit account

Street Address: 1300 I Street, N.W.

City: Washington

State: DC Zip: 20005-3315

8. Deposit account number: 06-0916

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.

Richard V. Burgujian

Signature

Date

Total number of pages including cover sheet, attachments and documents: 3

PATENT
REEL: 010441 FRAME: 0441

A S S I G N M E N T

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

WIRING BOARD, WIRING BOARD FABRICATION METHOD, AND SEMICONDUCTOR PACKAGE

for which I/WE executed an application for United States Letters Patent concurrently herewith or on _____ or filed an application for United States Letters Patent on _____, 19____ (Serial No. _____); and

WHEREAS, KABUSHIKI KAISHA TOSHIBA,
a corporation of Japan, whose post office
address is 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa-ken, Japan
(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. Full Name of Sole or First Assignor :	Assignor's Signature	: Date
<u>Osamu SHIMADA</u>	: <u>[Signature]</u>	: <u>[Date]</u>
Address	<u>2-16-12-1-202, Honmachi, Fuchu-shi,</u>	: Citizenship
	<u>Tokyo 183-0027 Japan</u>	: Japan
2. Full Name of Second Assignor	: Assignor's Signature	: Date
<u>Yoshitaka FUKUOKA</u>	: <u>[Signature]</u>	: <u>Sep. 28, 1999</u>
Address	<u>293-64-26-3, Otsuka, Hachioji-shi,</u>	: Citizenship
	<u>Tokyo 192-0352 Japan</u>	: Japan
3. Full Name of Third Assignor	: Assignor's Signature	: Date
<u>Akihiko TAKAGI</u>	: <u>[Signature]</u>	: <u>[Date]</u>
Address	<u>1743, Kurohama, Hasuda-shi,</u>	: Citizenship
	<u>Saitama 349-0101 Japan</u>	: Japan

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. • WASHINGTON, D.C.

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4. Full Name of Fourth Assignor	: Assignor's Signature	: Date
Kenji SASAOKA	: <i>Kenji Sasoka</i>	: Sep. 28, 1999
Address 1454-38, Aiharamachi, Machida-shi,		: Citizenship
Tokyo 194-0211 Japan		: Japan
5. Full Name of Fifth Assignor	: Assignor's Signature	: Date
Address		: Citizenship
6. Full Name of Sixth Assignor	: Assignor's Signature	: Date
Address		: Citizenship
7. Full Name of Seventh Assignor	: Assignor's Signature	: Date
Address		: Citizenship
8. Full Name of Eighth Assignor	: Assignor's Signature	: Date
Address		: Citizenship
9. Full Name of Ninth Assignor	: Assignor's Signature	: Date
Address		: Citizenship
10. Full Name of Tenth Assignor	: Assignor's Signature	: Date
Address		: Citizenship
11. Full Name of Eleventh Assignor	: Assignor's Signature	: Date
Address		: Citizenship
12. Full Name of Twelfth Assignor	: Assignor's Signature	: Date
Address		: Citizenship