

BOX ASSIGNMENTS

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COVER SHEET
PATENTS ONLY
MARKS: 2 Dec 1999 PCT/PTO 12 JUN 2000
2 COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):
1. Yasuji HIRAMATSU
2. Motoo ASAI
3. Naohiro HIROSE
4. Takashi KARIYA
5.
6.
7.
8.
ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:
NAME: IBIDEN Co., Ltd.
ADDRESS: 1, Kandacho 2-chome, Ogaki-shi, Gifu, 503-0917 Japan
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE (DOCUMENT):
(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)
 ASSIGNMENT OF WHOLE PART INTEREST
 ORIGINAL FACSIMILE/PHOTOCOPY
 CHANGE OF NAME VERIFIED TRANSLATION
 SECURITY MERGER OTHER:
EXEC. DATE: May 19, 2000

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) May 19, 2000

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1* INVENTOR if not in item 1	B. PATENT NO(S)	M#	1* INVENTOR if not in item 1
New Application	270701				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: Pillsbury Madison & Sutro LLP Intellectual Property Group 1100 New York Avenue, NW Ninth Floor Washington, DC 20005-3918	6. NUMBER INVOLVED: APPLNS 1 + PATS 0 = TOTAL 1
	7. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:	8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975
PMS 270701	UNDER ORDER NO 41226
MATTER NO.	CLIENT REF. 270701
	dup. sheet not required CLIENT NO. MATTER NO.

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.

06/19/2000 09:00:00
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Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 2

Attorney: Glenn J. Perry
Reg. No. 28458 Date: Monday, June 12, 2000
Atty/Sec: GJP/nmw TEL: (202) 861-3070 FAX: (202) 822-0944

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:

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Intellectual Property Group
Ninth Floor, East Tower
1100 New York Avenue, N.W.
Washington, D.C. 20005-3918

USA Patent Appln.
Sole or Joint

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For Inventions made outside USA
executed with or after application

MM Client Ref.

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT
NAME(S) OF
INVENTOR(S)

(1) Yasuji HIRAMATSU	(4) Takashi KARIYA
(2) Motoo ASAI	(5)
(3) Naohiro HIROSE	[] x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

IBIDEN Co., Ltd.
1, Kandacho 2-chome, Ogaki-shi, Gifu, 503-0917 Japan

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

PROCESS FOR PRODUCING A MULTI-LAYER PRINTED WIRING BOARD

for which the undersigned executed an application for Letters Patent of the United States of America:

NOTE →→
(Complete
line A, B and/or C)

- (A) even date herewith
 (B) on _____
 (C) in U.S. Appln. No. _____ / _____ filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE →→ The undersigned hereby authorize(s) Pillsbury Madison & Sutro, Intellectual Property Group, of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTOR(S)	DATE SIGNED	WITNESSES
1) <u>Yasuji Hiramatsu</u> Name: Yasuji HIRAMATSU	<u>00/May/19</u>	<u>Tomohiro Nishikawa</u>
2) <u>Motoo Asai</u> Name: Motoo ASAI	<u>00/May/19</u>	<u>Tomohiro Nishikawa</u>
3) <u>Naohiro Hirose</u> Name: Naohiro HIROSE	<u>00/May/19</u>	<u>Tomohiro Nishikawa</u>
4) <u>Takashi Kariya</u> Name: Takashi KARIYA	<u>00/May/19</u>	<u>Tomohiro Nishikawa</u>
5) _____ Name: _____	_____	_____

IF ADDITIONAL INVENTORS, check box and continue on page 2.