

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Takashi KARIYA	03/20/2007
Toshiki FURUTANI	03/16/2007
Takeshi KAWANISHI	02/14/2007
RECEIVING PARTY DATA	
Name:	IBIDEN CO., LTD.
Street Address:	2-1 Kanda-cho
Internal Address:	Ogaki
City:	Gifu
State/Country:	JAPAN
Postal Code:	503-8604
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11566847
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ATTORNEY DOCKET NUMBER:	300269US
NAME OF SUBMITTER:	Etsegenet Nega
Total Attachments: 2	
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OP \$40.00 11566847

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PATENT
REEL: 019186 FRAME: 0798

WHEREAS, I (WE) Takashi KARIYA; Toshiki FURUTANI and Takeshi KAWANISHI all of c/o IBIDEN CO., LTD.,
2-1 Kanda-cho, Ogaki, Gifu, 503-8604, Japan

UT NAMES
RESIDENCE
LESS OF
NVENTORS:

SHORT TITLE OF
ENTRANT

ERT NAME
ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

_____, respectively,

have invented certain new and useful improvements in: METHOD FOR MANUFACTURING A PRINTED WIRING BOARD WITH A PIN FOR MOUNTING A COMPONENT

(Application No. 11/566,847, filed December 5, 2006), and

WHEREAS, IBIDEN CO., LTD.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 2-1 Kanda-cho, Ogaki, Gifu, 503-8604, Japan is desirous of acquiring the entire right, title and interest in and to said invention and ~~in~~ and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any ~~and~~ all foreign countries:

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: <u>20/3/2007</u>	<u>Takashi Kariya</u> (Signature of Inventor) Takashi KARIYA
Date: <u>16/3/2007</u>	<u>Toshiki Furutani</u> (Signature of Inventor) Toshiki FURUTANI
Date: <u>2/14/2007</u>	<u>Takeshi Kawanishi</u> (Signature of Inventor) Takeshi KAWANISHI

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