

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Takashi KARIYA</td><td>02/02/2007</td></tr><tr><td>Hironori TANAKA</td><td>02/01/2007</td></tr></tbody></table>	Name	Execution Date	Takashi KARIYA	02/02/2007	Hironori TANAKA	02/01/2007	
Name	Execution Date						
Takashi KARIYA	02/02/2007						
Hironori TANAKA	02/01/2007						
RECEIVING PARTY DATA							
Name:	IBIDEN CO., LTD.						
Street Address:	1, Kandacho 2-chome, Ogaki-shi						
City:	Gifu						
State/Country:	JAPAN						
Postal Code:	503-8604						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11580928</td></tr></tbody></table>	Property Type	Number	Application Number:	11580928			
Property Type	Number						
Application Number:	11580928						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	297255US						
NAME OF SUBMITTER:	Mai Do						
Total Attachments: 2 source=297255USAssignment#page1.tif source=297255USAssignment#page2.tif							

OP \$40.00 11580928

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PATENT
REEL: 018949 FRAME: 0761

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

Hironori TANAKA of Ibi-gun, Gifu, Japan

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: A PRINTED CIRCUIT BOARD

INSBKT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1. Kandacho 2-chome, Ogaki-shi, Gifu, Japan
503-8604 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;

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: 02/02/2007

Takashi Kariya
(Signature of Inventor) Takashi KARIYA

Date: 01/02/2007

Hironori Tanaka
(Signature of Inventor) Hironori TANAKA

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

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ALEXANDRIA, VIRGINIA 22314