504553276 09/19/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4599985

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
SHOJI TAKANO	08/31/2017	
FUMIHIKO MATSUDA	08/31/2017	

RECEIVING PARTY DATA

Name:	: NIPPON MEKTRON, LTD.	
Street Address:	12-15, SHIBA-DAIMON 1-CHOME, MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15691866

CORRESPONDENCE DATA

Fax Number: (202)393-5350

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2026386666 Email: patent@jhip.com

Correspondent Name: JACOBSON HOLMAN PLLC

Address Line 1: 400 7TH ST. NW

Address Line 2: SUITE 700

Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	P75315US1
NAME OF SUBMITTER:	JOHN C. HOLMAN
SIGNATURE:	/JOHN C. HOLMAN/
DATE SIGNED:	09/19/2017

Total Attachments: 2

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> **PATENT REEL: 043620 FRAME: 0242** 504553276

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UNITED STATES OF AMERICA - ASSIGNMENT

(1-3)	Insert Name(s) of Inventors	(1) Shoji TAKANO
		(2) Fumihiko MATSUDA and
		(3)
		In consideration of the sum of one dollar (\$1.00), and
		other good and valuable considerations paid to each
		of the undersigned, the receipt and sufficiency of
		which are hereby acknowledged, the undersigned
(4)	Towns No. 10 A	hereby assigns, transfers and sets over to
(4)	Insert Name of Assignee	NIPPON MEKTRON, LTD.
(5)	Insert Address of Assignee	of 12-15, Shiba-
		Daimon 1-Chome,
(6)	Incort I agal Entity and	Minato-ku, Tokyo
(6)	Insert <u>Legal Entity</u> and <u>State or Country</u> (e.g.	a corporation of Japan
	a corporation or citizen	
	of Japan)	
		(hereinafter designated as the Assignee) the entire
		right, title and interest for the United States, its
		territories, dependencies and possessions, in the
	.	invention known as
¹⁷ (7)	Insert Identification of	MANUFACTURING METHOD OF
	Invention, such as Title,	MULTILAYER PRINTED WIRING BOARD
	Case Number or Foreign	
	Application Number	
		For which the undersigned has (have) executed an
(8)		application for patent in the United States of America
(8)	Insert <u>Date</u> of signing of	Said application having been executed/filed on
	Application, or filing date	
	and Serial No., if known	
		and assigned Serial No.

- The undersigned agrec(s) to execute all papers necessary in connection with this application
 and any continuing or divisional applications thereof and also to execute separate
 assignments in connection with such applications as the Assignee may deem necessary or
 expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any matter which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such matter.
- 3) 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 Union for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent in the name of the Assignee.

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- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States resulting from this application or any continuing or divisional 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.
- 6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including the right to sue for, and collect damages for, any and all acts of past and future infringement.

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

Date	31, Aug. 2017 Name of Inventor	Shoji TAKANO	Shoji Takano	_ (SEAL)
	· ·	typed name	signature	
.	31. Aug . 2017 Name of Inventor	Fumihiko	Fumiliko Ma	(SEAL)
Date	Mame of Inventor	MATSUDA	1 Wallallo Laa	20052
		typed name	signature	
Date	Name of Inventor			_ (SEAL)
		typed name	signature	
Date	Name of Inventor			(SEAL)
		typed name	signature	
Date	Name of Inventor			(SEAL)
		typed name	signature	_
Date	Name of Inventor			(SEAL)
	der in the management of the second of the	typed name	signature	

The assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here.

□ Additional inventor's
names on a separate sheet

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RECORDED: 09/19/2017