

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3566471

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	KENJI MATSUDA	09/10/2015
	DAI SHINOZAKI	09/16/2015
	YUICHI MAKITA	10/02/2015
	HITOSHI KUBO	10/02/2015
	YUSUKE OHSHIMA	10/02/2015
	HIDEKAZU MATSUDA	10/02/2015
	JUNICHI TANIUCHI	10/02/2015
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PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	14778684	
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DATE SIGNED:	10/13/2015
Total Attachments: 3 source=30276.4022 Assignment#page1.tif source=30276.4022 Assignment#page2.tif source=30276.4022 Assignment#page3.tif	

ASSIGNMENT OF PATENT

WHEREAS, WE, **Kenji MATSUDA**, Citizen of Japan, residing at c/o Tokyo Electron Yamanashi Limited, 2381-1 Kitagejo, Fujii-cho, Nirasaki-shi, Yamanashi, Japan 407-8511; **Dai SHINOZAKI**, Citizen of Japan, residing c/o Tokyo Electron Yamanashi Limited, 2381-1 Kitagejo, Fujii-cho, Nirasaki-shi, Yamanashi, Japan 407-8511, **Yuichi MAKITA**, Citizen of Japan, residing at c/o Tanaka Kikinzoku Kogyo K.K., Tsukuba Facility, 22 Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan; **Hitoshi KUBO**, Citizen of Japan, residing at c/o Tanaka Kikinzoku Kogyo K.K., Tsukuba Facility, 22 Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan; **Yusuke OHSHIMA**, Citizen of Japan, residing at c/o Tanaka Kikinzoku Kogyo K.K., Tsukuba Facility, 22 Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan; **Hidekazu MATSUDA**, Citizen of Japan, residing at c/o Tanaka Kikinzoku Kogyo K.K., Tsukuba Facility, 22 Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan; and **Junichi TANIUCHI**, Citizen of Japan, residing at c/o Tanaka Kikinzoku Kogyo K.K., Tsukuba Facility, 22 Wadai, Tsukuba-shi, Ibaraki 300-4247 Japan (hereinafter referred to as "ASSIGNORS") have invented and own a certain invention entitled "SEMICONDUCTOR DEVICE AND HEAT-DISSIPATING MECHANISM", for which a PCT application was filed on March 13, 2014, Serial No. PCT/JP2014/001441, and which claims priority to Japanese Application 2013-063939, filed March 26, 2013; and

WHEREAS, **TANAKA KIKINZOKU KOGYO K.K.**, a corporation organized and existing under and by virtue of the laws of Japan and having its principal place of business at Tokyo Building 22F, 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo, 100-6422 Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent and similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, **ASSIGNORS** hereby sell, assign, transfer and set over unto **ASSIGNEE**, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the

same may be granted, including all priority rights under the Paris Convention for the Protection of Industrial Property; and **ASSIGNORS** hereby authorize and request the United States Commissioner of Patents and Trademarks and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof to issue said patents and equivalents to said **ASSIGNEE**, its successors and assigns, in accordance with this **ASSIGNMENT** and hereby transfers all rights of action, power and benefit belonging to or accruing from the invention including the right to undertake proceedings to recover past and future damages and claim all other relief in respect of any acts of infringement thereof whether such acts shall have been committed before or after the date of this **ASSIGNMENT**.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this **ASSIGNMENT**;

ASSIGNORS further covenant that **ASSIGNEE** will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to **ASSIGNORS** and that **ASSIGNORS** will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to **ASSIGNEE** or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

Kenji Matsuda Sep. 10/ 2015
Kenji MATSUDA Date

Dai Shinozaki Sep. 16. 2015
Dai SHINOZAKI Date

Yuichi Makita Oct. 2. 2015
Yuichi MAKITA Date

Hitoshi Kubo Oct. 2, 2015
Hitoshi KUBO Date

Yusuke Ohshima Oct. 2, 2015
Yusuke OHSHIMA Date

Hidekazu Matsuda Oct. 2, 2015
Hidekazu MATSUDA Date

Junichi Taniuchi Oct. 2, 2015
Junichi TANIUCHI Date