505449571 04/29/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAZUSHI KANEKO	04/23/2019
YUKINORI HANADA	04/22/2019

RECEIVING PARTY DATA

Name:	TOKYO ELECTRON LIMITED
Street Address:	3-1 AKASAKA 5-CHOME, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	107-6325

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16396831

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	009500-TE0084
NAME OF SUBMITTER:	DONALD R. STUDEBAKER
SIGNATURE:	/Donald R. Studebaker/
DATE SIGNED:	04/29/2019

Total Attachments: 1

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PATENT REEL: 049016 FRAME: 0632

ASSIGNMENT

Whereas, I/we, Name

Address

1)	Kazushi KANEKO	c/o Tokyo Electron Miyagi Limited, 1 Tochno Hills, Tsiws-cho,
		Kutokawa-gun, Miyagi 981-3629 Japa
		c/o Tokyo Electron Miyagi Limited,

2) Yukinori HANADA

1 Techno Hills, Taiwa-cho, Kurokawa-gao, Miyagi 981-3629 Japan

hereinafter called assignor(s), have invented certain improvements in

MICROWAVE OUTPUT DEVICE AND PLASMA PROCESSING APPARATUS

en	13 . 1 F.	.1
filed on	, Serial No.	; and
Whereas		
Tokyo Electron Limited		
3-1 Akasaka 5-chome,		
Minato-ku, Tokyo 107-	6325 Japan	
(assignee), desires to acquire the entire right, ti	tle and interest in the application and invention, an	d to any United States

(assignce), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignce, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignce, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignce, its successors and assigns.

In the event that the patent application filing date or serial number is not known at the time this Assignment is executed, I/WE hereby grant permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this Assignment after such information is added.

	<u>INVENTOĶS</u>	<u>DATE SIGNED</u>
I):	Kazushi Kaneko	april 23, 2019
Name:	Kazushi KANEKO	/
2):	Yukinori Hanada	Apr 22. 2019
Name:	Yukinori HANADA	,

PATENT REEL: 049016 FRAME: 0633