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Attorney Docket No. <u>001674</u>	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
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Director of Patents and Trademarks: Please record	the attached original documents or copy thereof.
Submission type: X New	
Conveyance type: X Assignment	
Conveying Party(ies):	Execution Date
First party Name: YAMAKOSHI (Last, First, Middle Initial)	, Hideo January 24, 2001
Second party Name: SATAKE, Ko	ji January 24, 2001
Third party Name: DANNO, Min	oru <i>January 24, 2001</i>
Additional name(s) of conveying party(ies) attached	ed? Yes No_X
	Y INDUSTRIES, LTD. ome, Chiyoda -ku, Tokyo, Japan
Additional name(s) & address(es) attached? Yes	No <u>XX</u>
Domestic Representative Name and Address	(Enter for the first Receiving Party only)
ARMSTRONG, WESTERMAN, HAT	TORI, M¢LELAND & NAUGHTON, LLP
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II Washington	, 2.0.

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> **PATENT REEL: 011585 FRAME: 0460**

		JC02 Rec'd PCT/PTO	0 8 FEB 2001	
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Correspondent Name and Address ARMSTRONG, WESTERMAN, HAT 1725 K Street Washingto		1000		
Pages Enter the total number of pages of the att (including any attachments, but not count				
Application Number(s) or Patent Number(s) A. Patent Application No.(s) ## B. Patent ##		numbers attached? Yes No	XX	
If this document is being filed together with a nesigned by the first named executing inventor:	January 24, 20		was	
Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigne	PCT PCT ed PCT	PCT/JP00/03941		
Number of Properties Enter the total number	of properties	nvolved: 1		
Fee Amount for Properties 1	Listed (37 CF	R 3.41) \$40.00	0	
XX Enclosed				
Authorized to be charged to Deposit Account No.: 01-2340				
Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. William I. Brooks				
William D. Diooks	Signature	Just		
February 8, 2001 Date	34,129 Registration N	No.		

WLB/yap

Rev. 11/00

PATENT REEL: 011585 FRAME: 0461 Armstrong, Westerman, Hattori, McLeland & Naughton

00457 15-4

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's Name(s) Address(es))

MITSUBISHI HEAVY INDUSTRIES, LTD.,

5-1. Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan
hereinether ASSIGNEE), the provides of which in hereinether assignment.

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

DISCHARGE ELECTRODE, HIGH-FREQUENCY PLASMA GENERATOR, METHOD OF POWER FEEDING, AND METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE

(Title of Invention)

(*If the assignment is being filed after the filing of the application, this section must be completed) for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

"filed on ______, Serial No. _____.

(Armstrong, Westerman, Hattori, McLeland & Naughton is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefor on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

Hideo Varekoshi	HIDEO YAMAKOSHI	20 <u>01</u>
(SIGNATURE)	(TYPE NAME)	(DATE)
•	(January 24,
(SIGNATURE)	KOJI SATAKE	(DATE)
(SIGNATURE)	(TYPE NAME)	January ²⁴ , 2001
	MINORU DANNO	2001
Minorie Donne.	(TYPE NAME)	(DATE)
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NO LEGALIZATION REQUIRED

RECORDED: 02/08/2001

PATENT REEL: 011585 FRAME: 0462