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Akihiro GOTO February 1, 200	)6	MITSUBISHI DENKI KABUSHIKI KAISHA	
Masao AKIYOSHI February ,		7-3, Marunouchi 2-chome,	
Katsuhiro MATSUO Februar		Chiyoda-ku,	
Hiroyuki OCHIAI December 20		Tokyo 100-8310	
Mitsutoshi WATANABE Dece Takashi FURUKAWA Decemb		Japan	
Additional name(s) of conveying per	ty(ies) attached? 🗖 Yes 🗹 No	ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO. 2-1, Ohtemachi 2-chome,	
3. Nature of conveyance:		Chiyoda-ku, Tokyo 100-8182	
_ •	Merger	Japan	
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10/559,427		[patent no]	
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$\sim$	Akihiro GOTO Masao AKIYOSHI Katsuhiro MATSUO Hiroyuki OCHIAI		11TSUBISHI I -3, Marunouch hiyoda-ku, 'okyo 100-8310	ui 2-chome,	SHIKI KAISHA	·
	Mitsutoshi WATANAE E Takashi FURUKAWA		apan SHIKAWAJIN	1a-h <b>arima</b> i	IEAVY INDUSTRI	ES CO., LTD.
	Additional name(s) of conveying party(ies) attache		-1. Ohtemachi	2-chome		
	3. Nature of conveyance:		hiyoda-ku `okyo 100-818	÷		
	🗹 Assignment 🔲 Merger		apan	<i>،</i>		
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	□ Other					
	Execution Date: February 1, 2006 and Dec	ember 20, 2006 🛛 🗚	dditional name	(s) & address(es)	attached? 🗆 Yes	⊠ No
	<ol><li>Application number s) or patent number</li></ol>	r(s):				
	If this document is being filed together with a new application, the execution date of the application is:					
	A. Patent Application No.(s) 10/559,427		B. Patent No Unknown	).(3)		
	Additional numbers attached? 🗖 Yes 🗹 No					
	<ol><li>Name and address c 'party to whom cor concerning document should be mailed:</li></ol>	rrespondence 6	5. Total numbe		ns and patents involv l	/ed:
	SUGHRUE MION, PLLC	7	7. Total fee (3		\$40.00	
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For Non-U.S. Clience 546723-05-01

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PMDA-03065-05

## Assignment

## Whereas, I/We,

Goto AKIMRO and Mesao AKIYOSHI of

e∕o Mitsukishi Denki Kabushiki Kalsha, 7–3. Marunouchi 2–chome, Chiyoda–ku. Tokyo 100–8310 Japan Katsuhiro #ATSUO of

c/o Ryoden Keki Engineering Co., Ltd., 1071, 5-Chome, Kaml, Higashiozona-cho, Kita-ku, Nagoya-shi, Alohi 482-0823 Japan

Hiroyuki CCHIAI, Mitsutoshi WATANABE and Takashi FURUKAWA of

o/o ishikawajima-Harima Haavy Industries Co., Ltd., 2-1, Ohtemachi 2-ohome, Chiyoda-ku, Tokyo 100-8182 Japan hereinafter called assignor(s), have invented certain improvements in

ELECTRODE FOR DISCHARGE SURFACE TREATMENT, MANUFACTURING METHOD AND EVALUATION METHOD FOR ELECTRODE FOR DISCHARGE SURFACE TREATMENT, DISCHARGE SURFACE TREATMENT APPARATUS, AND DISCHARGE SURFACE TREATMEN® METHOD

and executed an application for Letters Patent of the United States of America therefor on Feb. 1, 2006\_\_\_\_\_; and

Whereas,	MITSUBISHI DENKI KABUSHINI NAISHA
	7-3, Marunouchi 2-chome Chlyoda-ku.
	Tokyo 100–8310 Japan
	ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO., LTD
	2-1,Ohtemachi 2-chome Chiyoda-ku,
	Tokyo 100–8182 Japan

(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, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assigner(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the ossignee.

I/We hereby authorizo and request our attorneys SUGHRUE MION, PLLC of 2100 Pennszlvania Avonuc, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number\_\_\_\_\_\_\_ and Confirmation number

	. filo	t) the filing date
and ap	plication number of said app	ication when known.
Date:	Feb. 1, 2006	Atihi Goo
		Akihiro GOTO
Data:	Feb. 1, 2006	Marro athiroshi
	4	Masao AKIYOSHI
Date:	Feb. 1, 2006	Masso AKIYOSHI Masso AKIYOSHI Katanhina matono
		Katsuhiro MATSUO
Date:		
	s/	Hiroyuki OCHIAI
Date:		· · · · · · · · · · · · · · · · · · ·
	¥	Mitsutoshi WATANABE
Dale:		
		Takashi FURUKAWA

(Legalization not required for recording but is prime facin ovidence of execution under 35 U.S.C. §261)

## PATENT REEL: 017908 FRAME: 0612

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Fer Non-U.S. Clients 546723 -05-01

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Assignment

Whoreas, I/We,

Goto AK®HIRO and Masso AKTYOSHI of

a/o Mitsabishi Denki Kabushiki Kaisha, 7–3, Mananouohi 2–chome, Chiyode-ku, Tokyo 100–8310 Jepan Katsuhiri MATSUO of

c/p Ryonen Koki Engineering Co., Ltd., 1071, 5–Chome, Kami, Higashiozone∹cho, Kita–ku, Nagoya–shi, Alchi 462–0823 Japan

Hiroyuki / OCHIAI, Mitsutoshi WATANABE and Takashi FURUKAWA of

o/o Istakawajima-Harima Heavy Industries Co., Ltd., 2-1, Ohtemachi 2-chome, Chivoda-ku, Tokyo 100-8182 Japan heremafter called assignor(s), have invented certain improvements in

ELECTROBE FOR DISCHARGE SURFACE TREATMENT, MANUFACTURING METHOD AND EVALUATION METHOD FOR ELECTRODE FOR DISCHARGE SURFACE TREATMENT, DISCHARGE SURFACE TREATMENT APPARATUS, AND DISCHARGE SURFACE TREATMENT METHOD

and executed an application for Letters Patent of the United States of America therefor on <u>Dec. 20. 2005</u>; and

7-3, Marunouchi 2chome Chiyoda-ku. Tokyo 1008310 Japan
ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO., LTD
Tokyo 100→8182 Japan

(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, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assigner(s), hereby sell, assign and transfer to the above named assignce, its successors and assigns, the entire right, title and interest in the application and the invection disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director - U.S. Patent and Trademark Office to issue any letters Patent granted upon the invention set forth in the application to the assignce, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignce in connection with the United States application when called upon to do se by the assignce.

I/We hereby authorize and request our attorneys SUGHRUE MION, FLLC of 2100
Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses
(Application number \_\_\_\_\_\_\_, and Confirmation number
\_\_\_\_\_\_\_, filed \_\_\_\_\_\_\_) the filing date

and	application number of said	I WREE KROWE.	
	Schulzerschie Gertenden die Berto		

Dale:		
		Akihiro GOTO
Dates		
Dule:		
		Katsuhiro MATSUO
Date:	Dec. 20th, 2005	<u>Hinoyuki Ochiai</u>
		Hiroyuki OCHIAI
Dale:	Bec. 20ch 2005	Hiroyuni OCHIAI Mitutuli Watanake
	5/	Mitsutoshi WATANABE
Date:	12/20 /2005	T. Funchamo-
	s/	Takashi FURUKAWA

(Legsuization not required for recording but is prima facia evidence of execution under 35 U.S.C. §261)

## PATENT REEL: 017908 FRAME: 0613

**RECORDED: 03/14/2006**