502671245 02/07/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2717852

SUBMISSION TYPE: NEW ASSIGNMENT					
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PART	Y DATA		<u>IL</u>		
					กิ
			Name Execution Date		
TOSHIKAZU KAWA	AHARA			01/16/2014	<u></u>
RECEIVING PARTY	DATA				
Name:	EBARA CORF	PORATIO	DN		
Street Address:	11-1, HANEDA	A ASAHI-	-CHO, OHTA-KU		
City:	TOKYO				
State/Country:	JAPAN				
Postal Code:	144-8510				
	ERS Total: 1 ty Type		Number		
Proper	ty Type	1417374			
Proper Application Number	ty Type r:	1417374			
Proper Application Numbe	ty Type r: DE DATA	I	49		
Proper Application Numbe CORRESPONDENC	ty Type r: CE DATA (215	5)568-343	39		
Proper Application Numbe	ty Type r: CE DATA (215	5)568-3439	39 0		
Proper Application Numbe CORRESPONDENC Fax Number: Phone: Email:	ty Type r: CE DATA (215- 215- assig	5)568-3439 -568-3100 gnments@	39		
Proper Application Number CORRESPONDENC Fax Number: Phone: Email: Correspondence with Correspondent Name	ty Type r: CE DATA (215 215- assig	5)568-3439 -568-3100 gnments@ iil when th	49 39 0 @woodcock.com the email attempt is unsuccessful. DSTETLER LLP		
Proper Application Number CORRESPONDENC Fax Number: Phone: Email: Correspondence with Correspondent Name Address Line 1:	ty Type r: CE DATA (215 215- assig If be sent via US Ma ne: BAK 2929	5)568-3439 -568-3100 gnments@ ail when th (ER & HO 9 ARCH S	49 39 0 @woodcock.com the email attempt is unsuccessful. DSTETLER LLP STREET		
Proper Application Number CORRESPONDENC Fax Number: Phone: Email: Correspondence with Correspondent Name	ty Type r: CE DATA (215 215- assign to be sent via US Mane: BAK 2929 CIRA	5)568-3439 -568-3100 gnments@ iil when th (ER & HO 9 ARCH S A CENTR	49 39 0 @woodcock.com the email attempt is unsuccessful. DSTETLER LLP		
Proper Application Number CORRESPONDENC Fax Number: Phone: Email: Correspondence with Correspondent Name Address Line 1: Address Line 2:	ty Type r: CE DATA (215 215- assig If be sent via US Ma ne: BAK 2929 CIRA PHIL	5)568-3439 -568-3100 gnments@ <i>ail when th</i> (ER & HO 9 ARCH S A CENTR LADELPH	49 39 0 @woodcock.com the email attempt is unsuccessful. DSTETLER LLP STREET RE, 12TH FLOOR		
Proper Application Number CORRESPONDENC Fax Number: Phone: Email: Correspondence with Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	ty Type r: CE DATA (215 215- assig Il be sent via US Ma ne: BAK 2929 CIRA PHIL	5)568-3439 -568-3100 gnments@ ail when the ER & HO 9 ARCH S A CENTR LADELPH	49 39 0 @woodcock.com the email attempt is unsuccessful. DSTETLER LLP STREET RE, 12TH FLOOR HIA, PENNSYLVANIA 19104-2891		
Proper Application Number CORRESPONDENC Fax Number: Phone: Email: Correspondence with Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	ty Type r: CE DATA (215 215- assig Il be sent via US Ma ne: BAK 2929 CIRA PHIL	5)568-3439 -568-3100 gnments@ iil when th CER & HO 9 ARCH S A CENTR LADELPH	39 0 @woodcock.com the email attempt is unsuccessful. DSTETLER LLP STREET RE, 12TH FLOOR HIA, PENNSYLVANIA 19104-2891 101728.000007		

PATENT REEL: 032171 FRAME: 0165

source=101728-000007_Assignment#page1.tif source=101728-000007_Assignment#page2.tif source=101728-000007_Assignment#page3.tif DOCKET NO.: 101728.000007

ASSIGNMENT

WHEREAS, I, Toshikazu KAWAHARA, a citizen of Japan, residing at c/o Ebara Corporation, 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo 144-8510 Japan, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number101728.000007("the invention"), which is entitled

POLISHING APPARATUS

("the subject application"), and which claims priority to patent application number 020292/2013 filed February 5, 2013 ("the priority application"). I authorize and direct any of the attorneys responsible for prosecuting the subject application on behalf of the ASSIGNEE to insert the application number and filing date of the subject application in the final paragraph of this assignment.

AND WHEREAS, EBARA CORPORATION, ASSIGNEE, having a place of business at 11-1, Haneda Asahi-cho, Ohta-ku, Tokyo 144-8510 Japan, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in

DOCKET NO.: 101728.000007

the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this	day of Janvar	/, year of 2	014.	
Toshikazu Kawa haya Signature Toshikazu KAWA	AHARA			
********	******	*******	*******	******
STATEMENT OF NOTAR	Y PUBLIC			
STATE OF	<u></u> :			
: SS				
COUNTY OF				
On this personally came the above n and known to me to be the acknowledged to me that exe purposes therein set forth.	same individual wh	o executed the	to me p foregoing assig	ersonally known nment, and who
Notary Public				
********	*******	*******	******	******
The foregoing assignment co February 5, 2014	vers patent application	on number <u>14/1</u>	73,749	, filed on
	Name of Attorney: Registration No.:		ope	ana.

Page 2 of 3

Date of Insertion: February 6, 2014

DOCKET NO.: 101728.000	007		
********	*******	*******	******
STATEMENT OF WITNE	SS		
SIGNED at Fujisan	va, Japan		
(City)	(Coun	try)	
This 16+h day of Janua	<u>ary</u> , 2014.		
I, Yasushi TAKAHASHI	,	whose full	
residence address is c/o	Ebara Corporatio	n of 2-1, Honfujisav	wa
4-chome, Fujisawa-shi	, Kanagawa 251-8.	502 Japan	
was personally present and of the 16th day of January			_
the person described in such			
Yasushi Takahas	shi	-	
Signature of Witness			
********	*******	*******	*******
The foregoing assignment confebruary 5, 2014 .	overs patent application	on number <u>14/173,749</u>	, filed on
	/Michael J. S	wope/	
	Name of Attorney:	_	
	Registration No.:		
	Date of Insertion:	February 6, 2014	

RECORDED: 02/07/2014