

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

EPAS ID: PAT5741894

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
TAKASHI SAKUMA	09/02/2019
MAKOTO KOMATSU	09/03/2019
TAKESHI IZUMI	09/02/2019
TAKAYASU TANAKA	09/04/2019
TAKAFUMI TANAKA	09/04/2019
HIDENORI ISHIOKA	09/05/2019
AYAKA ANDO	09/04/2019
TOMOKO YOSHIMI	09/04/2019
NOBUYUKI HASHIMOTO	09/04/2019
HIROAKI UCHIDA	09/04/2019
SHIGERU NAGAOKA	09/05/2019

**RECEIVING PARTY DATA**

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<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	144-8510
<b>Name:</b>	TITAN KOGYO KABUSHIKI KAISHA
<b>Street Address:</b>	1978-25, OAZA KOGUSHI, UBE-SHI
<b>City:</b>	YAMAGUCHI
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	755-8567

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16490304

**CORRESPONDENCE DATA**

Fax Number:

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**PATENT**

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<b>ATTORNEY DOCKET NUMBER:</b>	EBARA2-61427
<b>NAME OF SUBMITTER:</b>	AARON A. FISHMAN
<b>SIGNATURE:</b>	/Aaron A. Fishman/
<b>DATE SIGNED:</b>	09/27/2019

**Total Attachments: 8**

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COMBINED DECLARATION AND ASSIGNMENT

ASSIGNMENT

**Assignor(s)**

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NAME Shigeru NAGAOKA

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Application No.:

Docket No.:

## COMBINED DECLARATION AND ASSIGNMENT

WHEREAS, ASSIGNOR(S) (listed above), are inventor(s) of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number (“the invention”), which is entitled

### ALKALINE EARTH METAL ION ADSORBENT, AND PRODUCTION METHOD OF THE SAME, AND ALKALINE EARTH METAL ION-CONTAINING LIQUID TREATMENT APPARATUS

(“the subject application”), and which claims priority to patent application number **043598/2017** filed **March 8, 2017** (“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 and TITAN KOGYO KABUSHIKI KAISHA**, ASSIGNEE, having a place of business at **11-1, Haneda Asahi-cho, Ohta-ku, Tokyo 144-8510 Japan and 1978-25, Oaza Kogushi, Ube-shi, Yamaguchi 755-8567 Japan, respectively**, 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, ASSIGNOR(S), hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, the 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 ASSIGNOR(S) HEREBY covenant and agree that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR(S) HEREBY further covenant and agree that ASSIGNOR(S) will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts

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### COMBINED DECLARATION AND ASSIGNMENT

known to ASSIGNOR(S) 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 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.

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COMBINED DECLARATION AND ASSIGNMENT

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

<b>Title of Invention</b>	<b>ALKALINE EARTH METAL ION ADSORBENT, AND PRODUCTION METHOD OF THE SAME, AND ALKALINE EARTH METAL ION-CONTAINING LIQUID TREATMENT APPARATUS</b>
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As the below named inventor(s), I/we declare that:

This combined declaration and assignment is directed to:

- the attached application, or
- United States application or PCT international application number **PCT/JP2018/007735** filed on **March 1, 2018**.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

**Notice to Inventor(s):** A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

**Notice to Inventor(s):** A person may not execute this declaration unless that person is aware of the duty to disclose to the US Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.



Application No.:

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COMBINED DECLARATION AND ASSIGNMENT

Takayasu TANAKA

Printed Name in English

Takayasu Tanaka  
Inventor's Signature

September 4, 2019  
Date

Takafumi TANAKA

Printed Name in English

Takafumi Tanaka  
Inventor's Signature

September 4, 2019  
Date

Hidenori ISHIOKA

Printed Name in English

Ishioka Hidenori  
Inventor's Signature

September 5, 2019  
Date

Ayaka ANDO

Printed Name in English

Ayaka Ando  
Inventor's Signature

September 4, 2019  
Date



Application No.:

Docket No.:

COMBINED DECLARATION AND ASSIGNMENT

Tomoko YOSHIMI  
Printed Name in English

Tomoko yoshimi  
Inventor's Signature

September 4, 2019  
Date

Nobuyuki HASHIMOTO  
Printed Name in English

Nobuyuki Hashimoto  
Inventor's Signature

September 4, 2019  
Date

Hiroaki UCHIDA  
Printed Name in English

Hiroaki Uchida  
Inventor's Signature

September 4, 2019  
Date

Shigeru NAGAOKA  
Printed Name in English

Shigeru Nagaoka  
Inventor's Signature

September 5, 2019  
Date

Application No.:

Docket No.:

COMBINED DECLARATION AND ASSIGNMENT

The foregoing Combined Declaration and Assignment covers patent application number \_\_\_\_\_, filed on \_\_\_\_\_.

\_\_\_\_\_  
Name of Attorney:

Registration No.:

Date of Insertion: