( AIIG 1 9 2013 + )	FORM COVER SHI     08/21/2013       ITS ONLY     Image: constraint of the second seco
To the Director of the U.S. Patent and Trademark Office: Pl	ease record the attached 103661375
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
1. Takahiro KAWAKATSU	Name: Kurita Water Industries Ltd.
2. Tetsuya AOKI 3. Kunihiro HAYAKAWA	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes 3. Nature of conveyance/Execution Date(s):	Street Address: 10-1, Nakano 4-chome, Nakano-I
Execution Date(s) August 6, 2013; August 6, 2013; August 6, 20	
Assignment Merger	
Security Agreement Change of Name	City: Tokyo
Joint Research Agreement	State:
Government Interest Assignment	
Executive Order 9424, Confirmatory License	Country: Japan Zip:
Other	Additional name(s) & address(es) attached?  Yes
A. Patent Application No.(s) 13/985,666	is document serves as an Oath/Declaration (37 CFR 1 B. Patent No.(s)
13/985,666	
13/985,666 Additional numbers 5. Name and address to whom correspondence concerning document should be mailed:	B. Patent No.(s)
13/985,666 Additional numbers 5. Name and address to whom correspondence	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE
13/985,666 Additional numbers 5. Name and address to whom correspondence concerning document should be mailed:	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents
13/985,666 Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: KANESAKA BERNER & PARTNERS	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE
13/985,666 Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: KANESAKA BERNER & PARTNERS	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Enclosed
13/985,666 Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: KANESAKA BERNER & PARTNERS Internal Address:	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account
13/985,666 Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: KANESAKA BERNER & PARTNERS Internal Address:	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Enclosed
13/985,666 Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: KANESAKA BERNER & PARTNERS Internal Address: Street Address: 2318 Mill Road, Suite 1400	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Enclosed None required (government interest not affecting
13/985,666 Additional numbers  5. Name and address to whom correspondence concerning document should be mailed: Name: KANESAKA BERNER & PARTNERS Internal Address: Street Address: 2318 Mill Road, Suite 1400 City: Alexandria State: Virginia Zip: 22314	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment Information
13/985,666         Additional numbers         5. Name and address to whom correspondence concerning document should be mailed:         Name: KANESAKA BERNER & PARTNERS         Internal Address:	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment Information
13/985,666         Additional numbers         Additional numbers         5. Name and address to whom correspondence concerning document should be mailed: Name: KANESAKA BERNER & PARTNERS         Internal Address:	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment Information 08/20/2013 SM0HAMME 00000025 13985666
13/985,666         Additional numbers         5. Name and address to whom correspondence concerning document should be mailed:         Name:       KANESAKA BERNER & PARTNERS         Internal Address:	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment Information 08/20/2013 SHOHAMME 00000025 13985666 Deposit Account Number 40.69 Authorized User Name August 19, 2013
13/985,666         Additional numbers         5. Name and address to whom correspondence concerning document should be mailed:         Name: KANESAKA BERNER & PARTNERS         Internal Address:	B. Patent No.(s) attached? Yes No 6. Total number of applications and patents involved: ONE 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged to deposit account Enclosed None required (government interest not affecting 8. Payment Information 08/20/2013 SM0HAMME 00000025 13985666 Deposit Account Number 40.66 Authorized User Name

, **"**•

PATENT REEL: 031172 FRAME: 0910

/

Ser 13/ 585,666

## ASSIGNMENT

(Page 1 of 2)

For value received, I/we<u>, Takahiro Kawakatsu, Tetsuya Aoki and Kunihiro</u> <u>Hayakawa</u> residing respectively at <u>c/o KURITA WATER INDUSTRIES LTD., 10-1,</u> <u>Nakano 4-chome, Nakano-ku, Tokyo, Japan</u>

hereby sell, assign, and transfer to KURITA WATER INDUSTRIES LTD.

a corporation existing under the Laws of Japan

located at 10-1, Nakano 4-chome, Nakano-ku, Tokyo, Japan

and the second second

and its successors, assigns, and legal representatives, the entire right, title, and interest for all countries including the United States of America, in and to certain inventions relating to

METHOD FOR IMPROVING REJECTION OF REVERSE OSMOSIS

MEMBRANE, TREATMENT AGENT FOR IMPROVING REJECTION, AND REVERSE OSMOSIS MEMBRANE

described in an application for Letters Patent of the United States, executed by me/us on this date, and all patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue all patents on said improvements or resulting therefrom to said Company as an assignce of the entire interest, and covenant that I/we have full right to do so, and agree that I/we will communicate to said Company or its representatives any facts known to me/us respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, assigns, and nominees, to obtain and enforce proper protection for said invention in the United States.

## PATENT REEL: 031172 FRAME: 09세1 씨아님님

(Page 2 of 2)

Signature

Jakahiro Kowakaten

Date (inquist 6, 20/3

Takahiro Kawakatsu

Signature

AUNA l e X

Date August 6. 2013

Tetsuya Aoki

Signature

Kunihiro Hayakawa

Date August 6, 2013

## Kunihiro Hayakawa

PATENT REEL: 031172 FRAME #0942 ⋈੦੪ᢖ