

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Harutoshi Hoshino	07/07/2010
Tomonori Kanougi	07/07/2010
Toshimune Yoshinaga	07/07/2010
Yoji Kase	07/09/2010
Kenji Fukunaga	07/07/2010
RECEIVING PARTY DATA	
Name:	UBE INDUSTRIES, LTD.
Street Address:	1978-96, Oaza Kogushi, Ube-shi
City:	Yamaguchi
State/Country:	JAPAN
Postal Code:	755-8633
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12863125
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NAME OF SUBMITTER:	Neil S. Bartfeld, Ph.D.

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Total Attachments: 2

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ASSIGNMENT

WHEREAS, I/WE (1) Harutoshi HOSHINO,
a Japanese citizen, residing at c/o UBE INDUSTRIES, LTD.,
8-1, Goi-Minamikaigan, Ichihara-shi, Chiba 290-0045, Japan
(2) Tomonori KANOUGI,
a Japanese citizen, residing at c/o UBE INDUSTRIES, LTD.,
8-1, Goi-Minamikaigan, Ichihara-shi, Chiba 290-0045, Japan
(3) Toshimune YOSHINAGA,
a Japanese citizen, residing at c/o UBE INDUSTRIES, LTD.,
8-1, Goi-Minamikaigan, Ichihara-shi, Chiba 290-0045, Japan
(4) Yoji KASE,
a Japanese citizen, residing at c/o UBE INDUSTRIES, LTD.,
8-1, Goi-Minamikaigan, Ichihara-shi, Chiba 290-0045, Japan
(5) Kenji FUKUNAGA,
a Japanese citizen, residing at c/o UBE INDUSTRIES, LTD.,
8-1, Goi-Minamikaigan, Ichihara-shi, Chiba 290-0045, Japan

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in

SOLVENT-RESISTANT ASYMMETRIC HOLLOW FIBER GAS SEPARATION MEMBRANE, AND METHOD FOR PRODUCTION THEREOF

the specification of which:

- (a) was executed on even date herewith;
- (b) was filed on _____ as Application No. _____
or Express Mail No. _____, as Application No. not yet known
and was amended on _____ (if applicable); or
- (c) was described and claimed in PCT International Application No. PCT/JP2009/050672 filed on
January 19, 2009 and as amended under PCT Article 19 on

_____ (if any) and/or under PCT Article 34 on
_____ (if any).

AND WHEREAS, UBE INDUSTRIES, LTD.

with its principal place of business at 1978-96, Oaza Kogushi, Ube-shi, Yamaguchi 755-8633, JAPAN,
(hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 7 day of Jul 17, 2010

Harutoshi Hoshino

Signature of Harutoshi HOSHINO

This 7 day of July, 2010

Tomonori Kanougi

Signature of Tomonori KANOUGI

This 7 day of July, 2010

Toshimune Yoshinaga

Signature of Toshimune YOSHINAGA

This 9 day of July, 2010

Yoji Kase

Signature of Yoji KASE

This 7 day of July, 2010

Kenji Fukunaga

Signature of Kenji FUKUNAGA

Witnessed by:

Tatsuya Shoji