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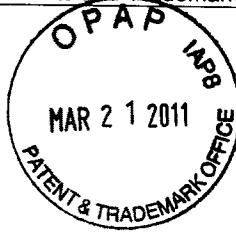


EET U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof

1 Name of conveying party(ies)  
Hideto Matsuyama (01/18/2011),  
Takahiro Ono (01/07/2011),  
Satoshi Kawanaka (01/11/2011),  
Kazuo Hirota 01/11/2011



2. Name and address of receiving party(ies)  
Name: UNITIKA LTD  
Street Address 50, Higashi-Hommachi 1-chome,  
Amagasaki-shi  
City Hyogo State Japan Zip 660-0824

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance

Assignment  Merger  
 Security  Change of Name  
 Other \_\_\_\_\_

Additional name(s) & address(es) attached?  Yes  No

Execution Date 01/18, 7, and 11/2011

4. Application number(s) or patent number(s) POLYAMIDE HOLLOW FIBER MEMBRANE, AND PRODUCTION METHOD THEREOF

If this document is being filed together with a new application, the execution date of this application is 01/18, 7, and 11/2011

A Patent Application No.(s)  
13/119,506

B Patent No (s)

Additional numbers attached

Yes  No

5 Name and address of party to whom correspondence concerning document should be mailed

Name Christopher J Fildes

Internal Address \_\_\_\_\_

Street Address Fildes & Outland, P C

20916 Mack Avenue, Suite 2

City Grosse Pointe Woods State MI ZIP: 48236

6 Total number of applications and patents involved 1

7 Total Fee (37 CFR 3.41) \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number.

(Attach duplicate copy of this page if paying by deposit account)

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9 Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Christopher J Fildes  
Name of person signing

Chris J Fildes  
Signature

March 17, 2011  
Date

Total number of pages including cover sheet, attachments, and document 3

Mail documents to be recorded with required cover sheet information to  
Mail Stop Assignments, Commissioner for Patents, P O Box 1450  
Alexandria, VA 22313-1450

PATENT  
REEL: 026027 FRAME: 0405

# ASSIGNMENT

- (1) Hideto MATSUYAMA
- (2) Takahiro ONO
- (1-4) Insert Name(s) of Inventor(s).
- (3) Satoshi KAWANAKA
- (4) Kazuo HIROTA
- In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to
- (5) Insert name of Assignee(s)
- (5) UNITIKA LTD.
- (6) Insert address of Assignee(s)
- (6) 50, Higashi-Hommachi 1-chome, Amagasaki-shi, Hyogo 660-0824 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

- (7) Insert Identification of Invention, such as Title, Case Number or Foreign Application No.
- (7) POLYAMIDE HOLLOW FIBER MEMBRANE, AND PRODUCTION METHOD THEREOF
- for which the undersigned has (have) executed an application for patent in the United States of America
- (8) Insert Date of Signing of Application
- (8) on \_\_\_\_\_
- (9) Alternative identification for filed applications
- (9) U.S. applicants Serial Number \_\_\_\_\_  
filed \_\_\_\_\_

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient or essential to its full protection and title in and to the invention hereby transferred.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division or re-issue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to perform all affirmative acts, which may be necessary to obtain a grant of a valid United States patent to the Assignee.

4) The undersigned agree(s) to communicate to the Assignee or representative thereof any facts known to me (us) respecting the invention and improvements thereof, and will, upon request, but without expense to me (us), testify in any legal proceedings regarding the invention.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of Fildes & Outland, P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

7) This Assignment shall be binding upon my (our) heirs, executors, administrators, and/or assigns,

and shall inure to the benefit of the heirs, executors, administrators, successors and /or assigns of the Assignee.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

(1) Date 18, Jan., 2011 Name of Inventor Hideto Matsuyama  
Hideto MATSUYAMA

(2) Date 7, Jan., 2011 Name of Inventor Takahiro Ono  
Takahiro ONO

(3) Date 11, Jan. 2011 Name of Inventor Satoshi Kawanaka  
Satoshi KAWANAKA

(4) Date 11. Jan 2011 Name of Inventor Kazuo Hirota  
Kazuo HIROTA

Date 21, Jan, 2011 Witness Masaki Aoshika

Date 21, Jan, 2011 Witness Kikumi Nakamichi