FORM PTO-1595 9/1/03 1-31-92 Docket No.: CHOI-0006	09-04-2003	RTMENT OF COMMERCE Patent and Trademark Office
RECORDATION FOR	M 102541211 ID NO:	_NTS ONLY
To The Commissioner for Patents. Please record the attached original document(s) or copy thereof.		
1. Name of conveying party(ies): Samsung General Chemicals Co., Ltd.	2. Name and address of receiving party(ies): Name: Samsung Atofina Co., Ltd. Internal Address:	
Additional name(s) of conveying party(ies) attached?  ( ) YES (XX) NO	Street Address: City: Seoul State: Korea	Zip:135-080
3. Nature of Conveyance: (XX) Assignment () Merger () Name Change () Security Agreement () Other: Execution date: August 20, 2003	Additional names (s) & address atta ( ) YES (XX) NO	ched?
4. Application number(s) or patent number(s): A. Patent Application No(s). 09/469,818 FILED December 22, 1999 B. Patent No(s). If this document is being filed together with a new application, the execution date of the application is: Additional numbers attached? ( ) YES (XX) NO		
5. Name and address of party to whom correspondence concerning documents should be mailed:	6. Total number of applications and patents involved: One (1)	
Licata & Tyrrell P.C. 66 E. Main Street Marlton, New Jersey 08053	7. Total fee (37 CFR 3.41): \$40.00 ( ) Enclosed (XX) Authorized to be charged to d	
	8. Deposit Account number: <b>50-16</b> 1 (Attach duplicate copy of this page	
DO NOT USE THIS SPACE		
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.  Jane Massey Licata, Reg. No. 32,257  Name of Person Signing  August 28, 2003		
Signature Jangust 28, 2003		
Total number of pages comprising cover sheet, attachments, and document: Three		
Mail documents to be recorded with required cover sheet information to:  /03/2003 ECDOPER 00000088 501619 09469818 Commissioner for Patents  #C:8021 40.00 DA Box Assignments		
Alexandria, VA 22313-1450		

PATENT
REEL: 014444 FRAME: 0842

Attorney Docket No.: CHOI-0006

## ASSIGNMENT

WHEREAS, Samsung General Chemicals Co., Ltd hereinafter referred to as the assignor, having a place of business at San 222-2, Kokkot-li, Taesan-sup, Seosan-kun, Chungnam 356-870, Korea, is the assignee of certain rights of certain inventions or improvements for an application for Letters Patent of the United States, identified as Serial No. 09/469,818, filed December 22, 1999, entitled Alginate Gel Based Adsorbents for Heavy Metal Removal; and assigned to Samsung General Chemicals Co., Ltd in an Assignment recorded March 25, 1999 at Reel 9843, Frame 0784; and

WHEREAS, Samsung Atofina Co.Ltd., hereinafter referred to as the assignee, a Korean Company, a corporation of Korea, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patents which may be granted on or as a result thereof in any and all countries; and

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said assignor, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any re-issue or re-issues or extension or extensions of said Letters Patent, and assign to and authorize said assignee to file in assignor's name applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by assignor had this assignment, sale and transfer not been made.

AND hereby covenants that assignor has full right to convey the entire interest herein assigned, and has not executed and will not execute any agreement in conflict herewith, and further covenants and agrees that each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said

**PATENT** 

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assignee, its successors, assigns, nominees or legal representatives, and agrees to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents of applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, assignor has hereunto set its seal.

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Authorized Official of Samsung General Chemicals Co., Ltd. Title: President HongSik KO

WITNESSED BY:
Date: August 20, 2008
Please Print Name: Dukkyu Choi
Address:
WITNESSED BY: Xyen Dec
Date:August 20, 2003
Please Print Name: Hyejin Lee
Address: 103-708 Samho Apt., Sangdo-dong, Dongzak-gu, Seoul Korea

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