

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mingfu Zhang	11/11/2011
Jawed Asrar	11/14/2011
Zhihua Guo	11/11/2011
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Property Type	Number
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 REEL: 027229 FRAME: 0980

## **ASSIGNMENT**

WHEREAS we, Mingfu Zhang, 6891 Eagle Place, Highlands Ranch, Colorado 80130; Jawed Asrar, 9483 East Arbor Drive, Englewood, Colorado 80111; and Zhihua Guo, 7265 South Xenia Circle #F, Centennial, Colorado 80112, have invented certain new and useful improvements in

### **FORMALDEHYDE-FREE PROTEIN-CONTAINING BINDERS FOR SPUNBOND PRODUCTS**

for which we have signed an application for Letters Patent of the United States;

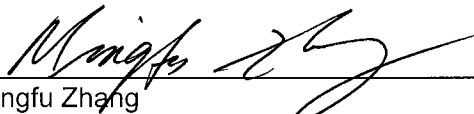
AND WHEREAS JOHNS MANVILLE, a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 717 Seventeenth Street, in the City & County of Denver and State of Colorado, is desirous of acquiring the entire interest in said invention and in the said application for Letters Patent therefor, and in any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN THAT, for good and valuable consideration, the receipt of which is hereby acknowledged, we Mingfu Zhang, Jawed Asrar and Zhihua Guo, have signed and transferred, and do hereby sell, assign and transfer unto said Johns Manville, its successors and assigns, the entire right title and interest in and to the said invention as fully set forth and described in the specification forming a part of said application for Letters Patent of the United States, and in and to said application, and in and to any and all Letters Patent of the United States which may be issued thereon, and any and all Letters Patent which may be granted for said invention in foreign countries, for the use and benefit of said Johns Manville, its successors and assigns.


AND we do hereby authorize and request the U.S. Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States which may be granted upon said application, or upon any divisional, continuing, substitute, reissue or renewal application or applications, to said Johns Manville, as the assignee of the entire right, title and interest in and to the same.

AND we do hereby agree properly to execute and sign without further compensation any powers of attorney, assignments, applications or other papers which may be necessary fully to secure to said Johns Manville, its successors and assigns, the invention shown and described in said application in this or any foreign country, and also to sign any divisional, continuing, substitute, reissue or renewal application or applications which may be desired by the owner of the Letters Patent or Letters Patents which may be issued for the said invention.


IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal on the date set out below.

Inventor's Signature  L.S.  
Mingfu Zhang

Date 11/11/2011

Inventor's Signature  L.S.  
Jawed Asrar

Date 11/14/2011

Inventor's Signature  L.S.  
Zhihua Guo

Date 11/11/11