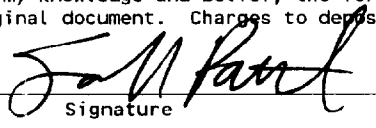
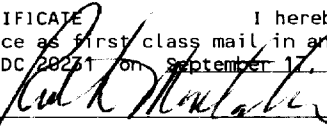


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To the Hon. Commissioner of Patents and Trademarks Please record the attached original or copy thereof Docket No. JG-SEC-4917 / 500564.20053			
SUBMISSION TYPE: [X] New [] Resubmission (Non-Recordation) Document ID # _____ [] Correction of PTO Error / Reel # _____ / Frame # _____ [] Corrective Document / Reel # _____ / Frame # _____		Nature of Conveyance: [X] Assignment [] Change of Name [] Merger [] Security Agreement [] Other: EXECUTION DATE: August 30, 2001 and August 31, 2001 Respectively	
Name of conveying Party(ies): Marcia MIKOLAJCZAK Motohide YAMAZAK Thomas J. POLLACK		Execution Date(s) (M / D / Y): August 31, 2001 August 30, 2001 / August 31, 2001	
Name of receiving Party(ies):		Shin-Etsu Bio, Inc. and Shin-Etsu Chemical Co., Ltd.	
Address of receiving Party(ies):		6650 Lusk Blvd., Suite B-102, San Diego, CALIFORNIA 92121 and 6-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo 100-0004, JAPAN, respectively	
If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative designation is attached: ____ YES ____ NO (DESIGNATIONS MUST BE A SEPARATE DOCUMENT FROM ASSIGNMENT)			
Correspondence and/or Domestic Representative Name, Address and Phone No.: Jules E. Goldberg, Esq., Reed Smith LLP, 375 Park Avenue, New York, NY 10152 [Tel. No. (212)521-5400]			
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If this document is being filed together with a New Application, enter the date the patent application was signed by the first named executing inventor (M/D/Y):			
Patent Cooperation Treaty (PCT)			
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Fee Amount		Fee Amount for Properties Listed (37 CFR 3.41): \$40.00	
Method of payment: [X] Enclosed [] Deposit Account (The Commissioner is hereby authorized to charge the deposit account any additional fees required or to credit any overpayment to Deposit Account No: 50-1529.)			
Deposit Account Enter for payment by deposit account or if additional fees can be charge to the account. Deposit Account Number: 50-1529 Authorization to charge additional fees [] Yes [] No			
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. Charges to deposit account are authorized, as indicated herein.			
Samir R. Patel Reg. No.: 44,998 Name of Person Signing		Signature  Date: September 17, 2001	
MAILING CERTIFICATE I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box ASSIGNMENTS, Patent and Trademarks Office, Washington, DC 20231 on September 17, 2001  / Ruth Montalvo			

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REEL: 012180 FRAME: 0715

ASSIGNMENT - PATENT APPLICATION
UNITED STATES OF AMERICA

Whereas, We ^{a)} **Marcia MIKOLAJCZAK**, ^{b)} **Motohide YAMAZAKI**, and ^{c)} **Thomas J. POLLOCK** of 6650 Lusk Boulevard, Suite B-106, San Diego, CA 92121 (hereafter "Assignor") has invented certain new and useful improvements in **WHOLE CELL AND CELL-DEBRIS FREE POLYSACCHARIDE** which application for Letters Patent in the United States of America has been filed.

And Whereas, **Shin-Etsu Bio, Inc.** and **Shin-Etsu Chemical Co., Ltd.** of 6650 Lusk Blvd., Suite B-102, San Diego, CALIFORNIA 92121 and 6-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, JAPAN, respectively (hereinafter "Assignee") are desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor:

Now, therefore, be it known by all whom it may concern, that for good and valuable consideration (the sufficiency of which is hereby acknowledged) the Assignor has assigned, transferred and set over, and by these presents does assign, transfer and set over unto the said Assignee for all the countries in the world, the full and exclusive right, title, and interest in and to the said invention, as fully set forth and described in the specification filed in the U.S. Patent and Trademark Office under Serial filed in the U.S. Patent and Trademark Office under Application No. **09/838,650** on **April 19, 2001** including any division, continuation, substitute or renewal application thereof; said invention, application and Letters Patent to be held and enjoyed by the said Assignee to the full end of the term for which said Letters Patent is granted, as fully and entirely as the same would have been held by the Assignor had this assignment and transfer not been made.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent for said invention to said Assignee.

In testimony whereof, the Assignor has hereunto set his hand this 31st day of August 2001

WITNESS:

INVENTOR(S):

Marcia Mikolajczak
^{a)} **Marcia MIKOLAJCZAK**

M. Jahn
^{b)} **Motohide YAMAZAKI**

Thomas J. Pollock
^{c)} **Thomas J. POLLOCK**