

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tomoko Matsui</td> <td>11/17/2008</td> </tr> <tr> <td>Akihiko Yamagishi</td> <td>11/25/2008</td> </tr> <tr> <td>Esben Peter Friis</td> <td>11/19/2008</td> </tr> </tbody> </table>		Name	Execution Date	Tomoko Matsui	11/17/2008	Akihiko Yamagishi	11/25/2008	Esben Peter Friis	11/19/2008
Name	Execution Date								
Tomoko Matsui	11/17/2008								
Akihiko Yamagishi	11/25/2008								
Esben Peter Friis	11/19/2008								
RECEIVING PARTY DATA									
Name:	Novozymes A/S								
Street Address:	Krogshoejvej 36								
City:	Bagsvaerd								
State/Country:	DENMARK								
Postal Code:	DK-2880								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12044055</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12044055				
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Application Number:	12044055								
CORRESPONDENCE DATA									
Fax Number:	(212)840-0021								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	2128400097								
Email:	lold@novozymes.com								
Correspondent Name:	Novozymes North America, Inc.								
Address Line 1:	500 5th Avenue								
Address Line 2:	Suite 1600								
Address Line 4:	New York, NEW YORK 10110								
ATTORNEY DOCKET NUMBER:	11123.200-US								
NAME OF SUBMITTER:	Michael W. Krenicky, Reg. # 45411								

Total Attachments: 3
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500720062

**PATENT
 REEL: 021921 FRAME: 0048**

CH \$40.00 12044055

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Tomoko Matsui, residing at Chiba, Japan;
Esben Peter Friis, residing at Herlev, Denmark;
Akihiko Yamagishi, residing at Tokyo, Japan;

(hereinafter ASSIGNORS), have made a discovery or invention entitled:

Asparaginases

for which an application for a United States Patent was filed on March 7, 2008, application number 12/044,055.

WHEREAS:

Novozymes A/S of Krogshoejvej 36, DK-2880 Bagsvaerd, Denmark (hereinafter ASSIGNEE), is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1), the receipt of which is acknowledged, and other good and valuable consideration, ASSIGNORS do sell, assign and transfer to ASSIGNEE the full and exclusive right to the said invention in the United States and in all foreign countries and the entire right, title and interest in and to any and all patents or similar legal protection which may granted therefor in the United States and in all foreign countries from said application or any continuation, division, renewal, extension, substitute or reissue thereof or any legal equivalent thereof in a foreign country. We hereby authorize and request the Commissioner of Patents and Trademarks and any official of any foreign country whose duty it is to issue patents on applications as aforesaid, to issue said United States and foreign patents to ASSIGNEE, of the entire right, title and interest in and to same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

Date: _____

Tomoko Matsui

Date: _____

Esben Peter Friis

Date: 25 Nov. 2008



Akihiko Yamagishi

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Tomoko Matsui, residing at Chiba, Japan;
Esben Peter Friis, residing at Herlev, Denmark;
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Date: _____

Tomoko Matsui

Date: 12/4-2008

Esben Peter Friis

Date: _____

Akihiko Yamagishi