

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp 4/94)	<b>RECORDATION FORM COVER SHEET PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
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To the Hon. Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies) :</b> Jewell, Carol; Redmond, Washington Chema, Hardarshan; Eiling, Great Britain Hogg, Deborah; Warrington, Great Britain Meng, Wenmao; Billingham, Great Britain O'Donnell, Ray; Billingham, Great Britain Robertson, Ewan; Billingham, Great Britain Topping, Andrew; Milford, Massachusetts  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies):</b> <b>Name:</b> ZymoGenetics, Inc. <b>Internal Address</b>  <b>Street Address:</b> 1201 Eastlake Avenue East Seattle, Washington 98102 USA
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<b>3. Nature of conveyance:</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other _____  <b>Execution Date:</b> <u>10/02/07;10/04/07;10/19/07;12/04/07</u>	Additional name(s) & address(es) attached? [ ]Yes [ X ] No
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<b>4. Application number(s) or patent number(s):</b>  <b>If this document is being filed together with a new application, the execution date of the application is: _____</b>  <b>A. Patent Application No.(s)</b> 11/720,032 <b>B. Patent No.(s)</b>  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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<b>5. Name and address of the party to whom correspondence concerning document should be mailed:</b>  <b>Name:</b> Novo Nordisk Inc. <b>Internal Address:</b> Intellectual Property Dept. <b>Customer Number:</b> 23650	<b>6. Total number of applications and patents involved:</b> one  <b>7. Total fee (37 CFR 3.41) .....</b> \$ <u>40.00</u> <input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number</b> 14-1447  <small>(Attach duplicate copy of this page if paying by deposit account)</small>
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DO NOT USE THIS SPACE

**9. Statement and signature.**  
To the best of my knowledge and belief, foregoing information is true and any attached copy is a true copy of the original document.

Len S. Smith, Reg. No. 43,139	/Len S. Smith, Reg. No. 43,139/	April 10, 2008
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Name of person signing	Signature	Date
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Total number of pages including cover sheet, attachment, document: 11

**PATENT**

CH \$40.00 141447 11720032

Attorney Docket No. 7153.204-US

PATENT

**ASSIGNMENT OF APPLICATION FOR PATENT**

WHEREAS:

Carol Bransford, a citizen of United States, residing at Redmond, Washington, USA  
Hardarshan Cheema, a citizen of Great Britain, residing at Durham, Great Britain  
Deborah Hogg, a citizen of Great Britain, residing at Warrington, Great Britain  
Wenmao Meng, a citizen of Great Britain, residing at Billingham, Great Britain  
Ray O'Donnell, a citizen of Great Britain, residing at Billingham, Great Britain  
Ewan Robertson, a citizen of Great Britain, residing at Billingham, Great Britain  
Andrew Topping, a citizen of Great Britain, residing at Milford, Massachusetts, USA

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

“Purification of Recombinant Human Factor XIII”

for which application of Letters Patent of the United States has been filed on May 23, 2007, under Application No. 11/720,032, and

WHEREAS:

ZymoGenetics, Inc, a company organized under the laws of the United States of America, located at 1201 Eastlake Avenue East, Seattle, Washington 98102, U.S.A. (hereinafter ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, by ASSIGNEE to ASSIGNORS, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive rights, titles and interests to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, extension, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

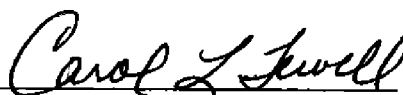
PATENT  
REEL: 020797 FRAME: 0196

SAID ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

SAID ASSIGNORS hereby covenant that we have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over.

AND SAID ASSIGNORS hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, and assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that we will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to us respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives or assigns, we will, at any time, when called upon to do so by the ASSIGNEE, its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

Date: 19 NOV 2007

  
Carol Bransford Jewell

Date: \_\_\_\_\_

Hardarshan Cheema

Date: \_\_\_\_\_

Deborah Hogg

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Date: \_\_\_\_\_  
\_\_\_\_\_

Carol Bransford

Date: 26/02/08 \_\_\_\_\_

HC Cheema  
\_\_\_\_\_

Hardarshan Cheema

Date: \_\_\_\_\_  
\_\_\_\_\_

Deborah Hogg

Date: \_\_\_\_\_  
\_\_\_\_\_

Wenmao Meng

Assignment for Ser. No. 11/720,032

SAID ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behalf of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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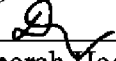
Date: \_\_\_\_\_

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Carol Bransford

Date: \_\_\_\_\_

\_\_\_\_\_  
Hardarshan Cheema

Date: ✓ 4 Dec 07 \_\_\_\_\_

✓  \_\_\_\_\_  
Deborah Hogg

Date: \_\_\_\_\_

\_\_\_\_\_  
Wenmao Meng

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Date: \_\_\_\_\_

\_\_\_\_\_  
Carol Bransford

Date: \_\_\_\_\_

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Hardarshan Cheema

Date: \_\_\_\_\_

\_\_\_\_\_  
Deborah Hogg

Date: 02 OCT 2007

  
\_\_\_\_\_  
Wenmao Meng

Date: \_\_\_\_\_

\_\_\_\_\_  
Wenmao Meng

Date: 04 Oct 07

RWO'Donnell  
\_\_\_\_\_  
~~Ray O'Donnell~~  
O'Donnell RWO 04 Oct 07

Date: \_\_\_\_\_

\_\_\_\_\_  
Ewan Robertson

Date: \_\_\_\_\_

\_\_\_\_\_  
Andrew Topping

Date: \_\_\_\_\_

\_\_\_\_\_  
Ray O'Donnell

Date: 02 Oct '07

  
Ewan Robertson

Date: \_\_\_\_\_

\_\_\_\_\_  
Andrew Topping



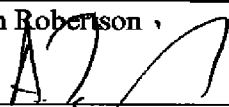
Date: \_\_\_\_\_

\_\_\_\_\_  
Ray O'Donnell

Date: \_\_\_\_\_

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Ewan Robertson

Date: 19 OCT 07

  
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Andrew Topping