

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shawn DeFrees</td> <td>10/15/2011</td> </tr> <tr> <td>David A. Zopf</td> <td>10/18/2011</td> </tr> </tbody> </table>		Name	Execution Date	Shawn DeFrees	10/15/2011	David A. Zopf	10/18/2011				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Novo Nordisk A/S</td> </tr> <tr> <td>Street Address:</td> <td>Novo Alle</td> </tr> <tr> <td>City:</td> <td>Bagsvaerd</td> </tr> <tr> <td>State/Country:</td> <td>DENMARK</td> </tr> <tr> <td>Postal Code:</td> <td>2880</td> </tr> </table>		Name:	Novo Nordisk A/S	Street Address:	Novo Alle	City:	Bagsvaerd	State/Country:	DENMARK	Postal Code:	2880
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13157575</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13157575						
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CORRESPONDENCE DATA											
<p>Fax Number: (312)616-5700 Phone: 312-616-5600 Email: assignments@leydig.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: LEYDIG VOIT & MAYER, LTD Address Line 1: TWO PRUDENTIAL PLAZA, SUITE 4900 Address Line 2: 180 NORTH STETSON AVENUE Address Line 4: CHICAGO, ILLINOIS 60601-6731</p>											
ATTORNEY DOCKET NUMBER:	708224										
NAME OF SUBMITTER:	John Kilyk, Jr.										
<p>Total Attachments: 3 source=13-157575[Leydig708224]Assignment_DeFrees-Zopf#page1.tif source=13-157575[Leydig708224]Assignment_DeFrees-Zopf#page2.tif source=13-157575[Leydig708224]Assignment_DeFrees-Zopf#page3.tif</p>											

CH \$40.00 13157575

ASSIGNMENT

WHEREAS, I/WE

- (1) Shawn DeFrees of 126 Filly Drive, North Wales, PA 19454,
- (2) David A. Zopf of 560 West Beechtree Lane, Wayne, PA 19087, and
- (3) Caryn A. Bowe of 310 Maple Avenue, Doylestown, PA 18901,

hereinafter referred to as Assignor, have invented a certain invention entitled:

GLYCOPEGYLATED ERYTHROPOIETIN

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on June 10, 2011, under U.S. Application No. 13/157,575, and

WHEREAS, Novo Nordisk A/S, of Novo Alle, 2880 Bagsvaerd, Denmark, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to Assignee and Assignee's legal representatives, successors, and assigns the entire right, title, and interest in, to, and under the invention, the referenced patent application, and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, and the patents that may issue thereon,

Assignor conveys to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as

a result of such applications or patents, by, for example, executing statements and other affidavits,

Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,


Assignor authorizes Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment.

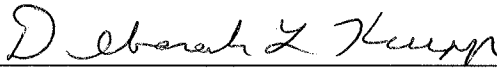
IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date Oct 15, 2011


Shawn DeFrees

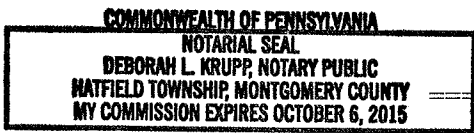
STATE OF Pennsylvania
COUNTY OF Montgomery

On this 15 day of October, 2011, before me, a Notary Public in and for said county, appeared Shawn DeFrees, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.


Notary Public

{SEAL}

My Commission Expires: Oct 6, 2015

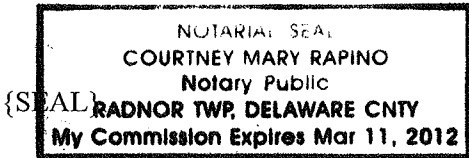


Date 18 Oct 2011

David A. Zopf
David A. Zopf

STATE OF Pennsylvania)
COUNTY OF Choster)

On this 18th day of October, 2011, before me, a Notary Public in and for said county, appeared David A. Zopf, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.



Courtney Mary Rapino
Notary Public

My Commission Expires: 03/11/2012

Date _____

Caryn A. Bowe

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, _____, before me, a Notary Public in and for said county, appeared Caryn A. Bowe, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

{SEAL}

Notary Public

My Commission Expires: _____