PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT
NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

<table>
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<tr>
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<th>Execution Date</th>
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<tr>
<td>Nadji SOURENA</td>
<td>09/24/2010</td>
</tr>
<tr>
<td>James T. SMOOT</td>
<td>09/21/2010</td>
</tr>
<tr>
<td>Joseph A. VANARTSDALEN</td>
<td>09/24/2010</td>
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RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name:</th>
<th>Reliable Biopharmaceutical Corporation</th>
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<tr>
<td>Street Address:</td>
<td>1945 Walton Road</td>
</tr>
<tr>
<td>City:</td>
<td>St. Louis</td>
</tr>
<tr>
<td>State/Country:</td>
<td>MISSOURI</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>63114</td>
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PROPERTY NUMBERS Total: 2

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<td>Application Number:</td>
<td>12847719</td>
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<td>PCT Number:</td>
<td>US1043946</td>
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CORRESPONDENCE DATA

Fax Number: (917)332-3773
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 215-569-5364
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Correspondent Name: BLANK ROME LLP
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Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER: 134769.00124
NAME OF SUBMITTER: Judy Yeddo

Total Attachments: 5
source=Assignment_AsFiled#page1.tif

501321149 PATENT
REEL: 025144 FRAME: 0348
Recording Form Cover Sheet

Patents Only

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):
Nadjii SOURENA (9/24/2010), James T. SMOOT (9/21/2010), and Joseph A. VANARTSDALEN (9/24/2010)
Additional name(s) of conveying party(ies) attached? Yes X No

2. Name and address of receiving party(ies)
Name: Reliable Biopharmaceutical Corporation
Internal Address: 
Street Address: 1945 Walton Road
City: St. Louis
State: Missouri
Country: United States of America
Zip: 63114
Additional name(s) & address(es) attached? Yes X No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): in parentheses after inventor name
X Assignment 
Merger 
Change of Name
Security Agreement 
Joint Research Agreement
Government Interest Assignment
Executive Order 9424, Confirmatory License
Other 

4. Application or patent number(s):
A. Patent Application No.(s)
12/847,719
PCT/US2010/043946
Additional numbers attached? Yes X No

B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:
Name: Jay Lessler
BLANK ROME LLP
Internal Address: Attn. Dkt.: 134769.00124
Street Address: The Chrysler Building
405 Lexington Ave.
City: New York
State: NY
Zip: 10174-0208
Phone Number: (212) 885-5000
Fax Number: (212) 885-5001
Email Address: Lessler@blankrome.com

6. Total number of applications and patents involved: 2

7. Total fee (37 CFR 1.21(h) & 3.41) $ 80.00
X Authorized to be charged to deposit account
Enclosed
None required (government interest not affecting title)

8. Payment Information
Deposit Account Number: 02-2555
Authorized User Name: Jay Lessler

9. Signature:
/Jay P. Lessler/
Signature
Jay Lessler - 41,151
Name of Person Signing

October 15, 2010
Date

Total number of pages including cover sheet, attachments, and documents: 

134769.00124/6944585v.1
ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 14th day of September, 2010, by Sourena NADJI; James T. SMUOT; and Joseph A. VANARTSDALEN (hereinafter referred to as Assignors), residing at 3 Bion Aire Drive, Olivette, Missouri 63132; 35 Sundance Drive, Mt. Zion, Illinois 62549; and 4161 McClay Road, Saint Charles, Missouri 63304, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in PROCESS FOR PREPARING FONDAPARINUX SODIUM AND INTERMEDIATES USEFUL IN THE SYNTHESIS THEREOF, set forth in Appendix A.

WHEREAS, Reliable Biopharmaceutical Corporation, a Corporation organized under and pursuant to the laws of Missouri having its principal place of business at 1945 Walton Road, St. Louis, Missouri 63114 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar ($1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.
AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

BLANK ROME LLP
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: Sept 24, 2010
Signature: 
Sorena Nadji

Date: 09/21/2010
Signature: 
James T. Smoot

Date: 9-24-10
Signature: 
Joseph A. Vanartsdalen
APPENDIX A

U.S. Application No. 12/847,719; filed July 30, 2010

PCT/US2010/043946; filed July 30, 2010