

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <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> </tr> </tbody> </table>		Name	Execution Date	Nadji SOURENA	09/24/2010	James T. SMOOT	09/21/2010	Joseph A. VANARTSDALEN	09/24/2010		
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Reliable Biopharmaceutical Corporation</td> </tr> <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> </tr> </table>		Name:	Reliable Biopharmaceutical Corporation	Street Address:	1945 Walton Road	City:	St. Louis	State/Country:	MISSOURI	Postal Code:	63114
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<b>PROPERTY NUMBERS Total: 2</b>											
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Application Number:	12847719										
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (917)332-3773</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 215-569-5364</p> <p>Email: jyeddo@BLANKROME.COM</p> <p>Correspondent Name: BLANK ROME LLP</p> <p>Address Line 1: ONE LOGAN SQUARE</p> <p>Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103</p>											
ATTORNEY DOCKET NUMBER:	134769.00124										
NAME OF SUBMITTER:	Judy Yeddo										
<p>Total Attachments: 5</p> <p>source=Assignment_AsFiled#page1.tif</p>											

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**PATENT**  
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RECORDATION 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):

Nadji 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 ☒ 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 ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

☒ 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

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Jay Lessler  
BLANK ROME LLP

Internal Address: Atty. 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

☒ 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

October 15, 2010

Date

Jay Lessler - 41,151

Name of Person Signing

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

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this 14th day of September, 2010, by Sourena NADJI; James T. SMOOT; and Joseph A. VANARTSDALEN (hereinafter referred to as Assignors), residing at 3 Bon 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 PERPARING 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.

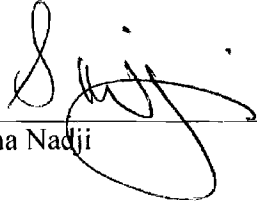
**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

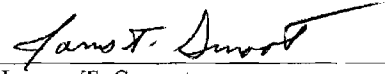
**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:


BLANK ROME LLP

Jay Lessler, 41,151

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

Date: Sept. 24. 2010 Signature:   
Sourena 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