PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

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**CONVEYING PARTY DATA**

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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>
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<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>
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**PROPERTY NUMBERS Total: 2**

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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
Email: jyeddo@BLANKROME.COM

<table>
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<th>Correspondent Name</th>
<th>BLANK ROME LLP</th>
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<tbody>
<tr>
<td>Address Line 1</td>
<td>ONE LOGAN SQUARE</td>
</tr>
<tr>
<td>Address Line 4</td>
<td>PHILADELPHIA, PENNSYLVANIA 19103</td>
</tr>
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**ATTORNEY DOCKET NUMBER:** 134769.00124

**NAME OF SUBMITTER:** Judy Yeddo

Total Attachments: 5
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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 [X]

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

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):**
   This document is being filed together with a new application.
   A. Patent Application No.(s)
      12/847,719
      PCT/US2010/043946
   Additional numbers attached? Yes [ ] No [X]

5. **Name and address to whom correspondence concerning document should be mailed:**
   Name: Jay Lessler
   BLANK ROM 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:**
   ________________________________  ________________________________
   Signature                      Date
   ________________________________
   Name of Person Signing

10. **October 15, 2010**
    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 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: [Signature]

(Sourena Nadji)

Date: **09/21/2010**  
Signature: [Signature]

(James T. Smoot)

Date: **9-24-10**  
Signature: [Signature]

(Joseph A. Vanartsdalen)
APPENDIX A

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

PCT/US2010/043946; filed July 30, 2010