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TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 ETAS ID: TM413023

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------------------------------------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT OF THE ENTIRE INTEREST AND THE GOODWILL |

CONVEYING PARTY DATA

| Name | Formerly | Execution Date | Entity Type |
|----------------------------|----------|----------------|-----------------------|
| Endo Pharmaceuticals Inc., | | 01/06/2017 | Corporation: DELAWARE |

RECEIVING PARTY DATA

| Name: | BioDelivery Sciences International, Inc. |
|-----------------|------------------------------------------|
| Street Address: | 4131 Parklake Avenue, Suite 225 |
| City: | RALEIGH |
| State/Country: | NORTH CAROLINA |
| Postal Code: | 27612 |
| Entity Type: | Corporation: DELAWARE |

PROPERTY NUMBERS Total: 1

| Property Type | Number | Word Mark |
|----------------------|---------|-----------|
| Registration Number: | 4946787 | BELBUCA |

CORRESPONDENCE DATA

Fax Number: 9198618913

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 9198618903

Email: mtepper@teiplaw.com
Correspondent Name: Maury M. Tepper, III
Address Line 1: 3724 Benson Drive

Address Line 4: RALEIGH, NORTH CAROLINA 27609

| NAME OF SUBMITTER: | Maury M. Tepper, III |
|--------------------|------------------------|
| SIGNATURE: | /Maury M. Tepper, III/ |
| DATE SIGNED: | 01/20/2017 |

Total Attachments: 5

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TRADEMARK ASSIGNMENT

THIS TRADEMARK ASSIGNMENT (the "Assignment") is entered into as of January 6, 2017, by and among BioDelivery Sciences International, Inc., a Delaware corporation with an office at 4131 Parklake Avenue, Suite 225, Raleigh, North Carolina 27612 ("Parent"), Arius Pharmaceuticals, Inc., a Delaware corporation and a wholly-owned subsidiary of Parent, with an office at the same address as Parent ("Arius") Arius Two, Inc., a Delaware corporation and a wholly-owned subsidiary of Parent, with an office at the same address as Parent ("Arius Two" and, together with Parent, "BDSI"), and Endo Pharmaceuticals Inc., a Delaware corporation ("Endo" and together with BDSI, the "Parties", and each, a "Party") All capitalized terms used but not otherwise defined in this Assignment shall have the meanings set forth in that certain Termination Agreement dated as of December 7, 2016 by and between the Parties (the "Termination Agreement").

RECITALS

WHEREAS, pursuant to the Termination Agreement, Endo has agreed to sell, assign, transfer, convey and deliver the Assets to Parent;

WHEREAS, Endo is the owner of the registered and pending trademarks listed on **Exhibit A** annexed hereto and made a part hereof, which are part of the Assets (the "**Product Marks**"), together with all goodwill represented and symbolized by the Product Marks (the "**Assigned Goodwill**"); and

WHEREAS, Endo desires, by its execution and delivery of this Assignment, to evidence the assignment of Endo's title to the Product Marks, together with the Assigned Goodwill, to Parent, pursuant to and subject to the terms and conditions of the Termination Agreement.

AGREEMENT

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

- 1. Endo hereby sells, assigns, transfers, conveys and delivers to Parent (and its successors and assigns), as purchaser of the Assets, all of Endo's and its Affiliates' entire right, title and interest, if any, in, to and under the Product Marks and the Assigned Goodwill, and the right to sue and recover for damages for future infringement of the Product Marks and the Assigned Goodwill.
- 2. Endo further authorizes Parent and the Commissioner of Patents and Trademarks of the United States of America to record Parent as the assignee and owner of the Product Marks.
- 3. Endo will cooperate with Parent in executing and/or filing documents with the U.S. Patent and Trademark Office (the "**PTO**") in order to record this Assignment with the PTO, and to record Parent as the assignee and owner of the Product Marks. Without limiting the above, Endo shall complete and execute, in the presence of a notary public, and deliver any

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document reasonably requested by Parent in order to more fully and effectively effectuate the purposes of this Assignment.

- 4. All of the terms and provisions of this Assignment shall be binding upon Endo and its successors and assigns and shall inure to the benefit of Parent and its successors and assigns.
- 5. This Assignment is executed for the purpose of evidencing and confirming the transfer of the Product Marks and Assigned Goodwill from Endo to Parent as provided in the Termination Agreement. Nothing contained in this Assignment is intended to modify any of the provisions of the Termination Agreement, including any of the representations, warranties, covenants or indemnities set forth in the Termination Agreement. In the event of any conflict between this Assignment and the Termination Agreement, the Termination Agreement controls.
- 6. This Assignment shall be governed by, and construed in accordance with, the laws of the State of Delaware and the federal laws of the United States, in each case, without reference to any choice of law rules.
- 7. Nothing in this Assignment, express or implied, is intended to confer upon any Third Party (other than a permitted successor or assign of a Party hereto) any rights, remedies, obligations or liabilities.
- 8. This Assignment may be executed in any number of counterparts, each of which shall be deemed to be an original, but all of which together shall constitute but one and the same instrument. Delivery of an executed counterpart signature page of this Assignment by facsimile or electronic transmission shall be as effective as delivery of a manually executed signature page.

[Signature pages follow.]

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IN WITNESS WHEREOF, the undersigned have executed this TRADEMARK ASSIGNMENT as of the date first written above.

| ARIUS PHARMACEUTICALS, INC. |
|-----------------------------------------------|
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| By Name: MACA Sign |
| Name: MARKETA - STOCK Title: Presupan &CEO |
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| M.iiill W. |
| By [""""] |
| Name: MARK WIND 1860 |
| Title: 1/25 Ven + CEO |
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| BIODELIVERY SCIENCES |
| INTERNATIONAL, INC. |
| |
| . VIWW"> |
| By L. & |
| Name: MARICA SRED |
| Title: Palloco FCEO |
| |
| ENDO PHARMACEUTICALS INC. |
| |
| |
| By |
| Name: |
| Title: |

IN WITNESS WHEREOF, the undersigned have executed this TRADEMARK ASSIGNMENT as of the date first written above.

By Name:
Title:

ARIUS TWO, INC.

By Name:
Title:

BIODELIVERY SCIENCES INTERNATIONAL, INC.

By Name:
Title:

ARIUS PHARMACEUTICALS, INC.

RECORDED: 01/20/2017

Exhibit A

Product Marks

| PHARMACEUTICALS INC. ENDO PHARMACEUTICALS INC. 9/16/2014 ENDO PHARMACEUTICALS INC. 4/26/2016 ENDO PHARMACEUTICALS INC. 9/16/2014 ENDO PHARMACEUTICALS INC. ENDO PHARMACEUTICALS INC. to the extent it owns any rights in the mark, through common law or otherwise. ENDO PHARMACEUTICALS INC., to the extent it owns any rights in the mark, through common law or otherwise. ENDO PHARMACEUTICALS INC., to the extent it owns any rights in the mark, through common law or otherwise. ENDO PHARMACEUTICALS INC., to the extent it owns any rights in the mark, through common law or otherwise. ENDO PHARMACEUTICALS INC., to the extent it owns any | 1228983 | 9/16/2014 | A0045067 | REGISTERED UNFILED UNFILED UNFILED | WIPO | BELBUCA BELBUCA LOGO SELECTION Two-overlapping square logo Life on Film |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------|---------------------------------------|-------------|-----------------------------------------------------------------------------|
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED UNFILED UNFILED | WIPO | BELBUCA BELBUCA LOGO SELELECA Co-overlapping square logo |
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED UNFILED UNFILED | WIPO | BELBUCA BELBUCA LOGO SELSUCA Two-overlapping square logo |
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED UNFILED UNFILED | WIPO | BELBUCA BELBUCA LOGO SELSUCA Two-overlapping square logo |
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED UNFILED UNFILED | WIPO | BELBUCA BELBUCA LOGO SELSUCA Two-overlapping square logo |
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED UNFILED UNFILED | WIPO | BELBUCA BELBUCA LOGO SELECTION Two-overlapping square logo |
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED UNFILED UNFILED | WIPO | BELBUCA BELBUCA LOGO SELECTION S Two-overlapping square logo |
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED UNFILED UNFILED | WIPO | BELBUCA BELBUCA LOGO SELELEA |
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| | 1228983 | 9/16/2014 | A0045067 | REGISTERED | WIPO | BELBUCA BELBUCA LOGO SELBUCA |
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED | WIPO | BELBUCA LOGO SELSUCA |
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| | 1228983 | 9/16/2014 | A0045067 | REGISTERED UNFILED | WIPO | BELBUCA BELBUCA |
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED | WIPO | BELBUCA |
| | 1228983 | 9/16/2014 | A0045067 | REGISTERED | MIPO | BELBUCA |
| | | | | | | |
| | | _ | | | STATES | |
| | 4946787 | 3/28/2014 | 86235385 | REGISTERED | UNITED | BELBUCA |
| | | | | | | |
| ENDO PHARMACEUTICALS I | 1228983 | 9/16/2014 | A0045067 | REGISTERED | SWITZERLAND | BELBUCA |
| ENDO | | | | | AFRICA | |
| PHAKMACEUTICALST | | 9/18/2014 | 201425362 | PUBLISHED | SOUTH | BELBUCA |
| | | | | | | |
| 9/16/2014 ENDO | 1228983 | 9/16/2014 | A0045067 | REGISTERED | NORWAY | BELBUCA |
| | | | | | | |
| 9/16/2014 ENDO | 1228983 | 9/16/2014 | A0045067 | REGISTERED | MEXICO | BELBUCA |
| | | | | | UNION | |
| 9/16/2014 ENDO | 1228983 | 9/16/2014 | A0045067 | REGISTERED | EUROPEAN | BELBUCA |
| PHARMACEUTICALS INC | | 2/10/2017 | 1074070 | | CANADA | BEEBOCA |
| ENDO | | 0/16/2017 | 160/1006 | ATTOWED | CANADA | BEI BIICA |
| ENDO PHARMACEUTICALS INC | | 9/24/2014 | 908340753 | PENDING | BRAZIL | BELBUCA |
| DATE | | DATE | NO. | | | |
| REG. OWNER | REG. NO. | APPLN | APPLN | STATUS | COUNTRY | TRADEMARK |