

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5064699

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SUBMISSION IS TO CORRECT AN ERROR OF THE APPLICATION NUMBER ON A COVER SHEET PREVIOUSLY RECORDED IN REEL 038511 AND FRAME 0238.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NUVO RESEARCH INC.	10/17/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HZNP LIMITED
<b>Street Address:</b>	21 LAFFAN ST.
<b>City:</b>	HAMILTON PEMBROKE
<b>State/Country:</b>	BERMUDA
<b>Postal Code:</b>	HM09
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15029139
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(314)685-2300
<i>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.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	HOR0019-201TC11-US
<b>NAME OF SUBMITTER:</b>	CHRIS MARION
<b>SIGNATURE:</b>	/Chris Marion/
<b>DATE SIGNED:</b>	07/24/2018
<b>Total Attachments: 7</b>	
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source=Assignment from Nuvo Research to HZNP Limited#page5.tif



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*Electronic Patent Assignment System*

## Confirmation Receipt

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Electronic Version v1.1  
Stylesheet Version v1.2

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<b>Name</b>	<b>Execution Date</b>
NUVO RESEARCH INC.	10/17/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HZNP LIMITED
<b>Street Address:</b>	21 LAFFAN ST.
<b>Internal Address:</b>	HAMILTON
<b>City:</b>	PEMBROKE
<b>State/Country:</b>	BERMUDA
<b>Postal Code:</b>	HM09
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	<del>45029139</del> 15/092,139
<b>CORRESPONDENCE DATA</b>	

<b>Fax Number:</b>	(314)685-2300
<b>Phone:</b>	(314) 812-8020
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<i>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.</i>	
<b>Correspondent Name:</b>	GLOBAL PATENT GROUP, LLC
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<b>Address Line 4:</b>	ST. LOUIS, MISSOURI 63132
<b>ATTORNEY DOCKET NUMBER:</b>	HOR0019-201C11-US
<b>NAME OF SUBMITTER:</b>	DENNIS A. BENNETT
<b>Signature:</b>	/Dennis A. Bennett/
<b>Date:</b>	05/09/2016
<b>Total Attachments: 5</b> source=Assignment from Nuvo Research to HZNP Limited#page1.tif source=Assignment from Nuvo Research to HZNP Limited#page2.tif source=Assignment from Nuvo Research to HZNP Limited#page3.tif source=Assignment from Nuvo Research to HZNP Limited#page4.tif source=Assignment from Nuvo Research to HZNP Limited#page5.tif	
<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT3863419
<b>Receipt Date:</b>	05/09/2016

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## PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT (this "Patent Assignment") is entered into as of October 17, 2014 (the "Effective Date"), by and between Nuvo Research Inc., a company incorporated in the Province of Ontario, Canada ("Seller"), and HZNP Limited, a nonresident Irish company that is a tax resident in Bermuda ("Buyer"). Seller and Buyer are sometimes referred to herein individually as a "Party" and collectively as the "Parties."

### RECITALS

**WHEREAS**, Seller and Buyer have entered into that certain Asset Purchase Agreement, dated as of October 17, 2014, pursuant to which, among other things, Seller has agreed to sell, assign, transfer, convey and deliver to Buyer all right, title and interest of Seller in and to the Assigned Patents (as defined below), and Buyer has agreed to purchase and accept all right, title and interest of Seller in and to the Assigned Patents from Seller.

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

1. **Assigned Patents.** "Assigned Patents" means the patents and patent applications listed on Schedule 1 attached hereto, together with any continuations, continuations-in-part, divisionals, substitutions, reissues, reexaminations, patent term restorations and patent term extension of any of the foregoing in the United States of America.

2. **Assignment.** Seller does hereby sell, assign, transfer, convey and deliver to Buyer all right, title and interest of Seller in and to the Assigned Patents for Buyer's own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Seller if this Patent Assignment and sale had not been made, together with all income, royalties, damages or payments due or payable on and after the Effective Date, including, without limitation, the right to sue and recover damages for past, present and future infringement of, and the right to file additional applications claiming priority to, any of the Assigned Patents.

3. **Recordation.** Seller hereby requests and authorizes the Commissioner of Patents and Trademarks to record Buyer as the owner of the Assigned Patents, as assignee of the entire right, title and interest in and to the same. Buyer shall have the right to record this Patent Assignment with all applicable governmental entities so as to perfect its ownership of the Assigned Patents.

4. **Counterparts.** This Patent Assignment may be executed in two or more counterparts, each of which shall be deemed to be an original but all of which shall constitute one and the same agreement. A faxed or electronic (i.e. PDF) signature shall be deemed original for all purposes under this Patent Assignment.

5. **Further Assurances.** Each of the Parties hereto agrees to execute and deliver such documents, and to take such actions, as may be reasonably requested by the other

Party to give effect to this Patent Assignment and to vest, perfect, confirm, record or otherwise reflect the Parties' rights as set forth herein.

**6. Governing Law; Submission of Jurisdiction; Waiver of Jury Trial.**

This Patent Assignment shall be governed by and construed in accordance with the laws of the State of Delaware, excluding any conflicts or choice of law rule or principle that might otherwise refer construction or interpretation of this Patent Assignment to the substantive law of another jurisdiction. Each of the Parties hereby irrevocably and unconditionally consent to the exclusive jurisdiction of the courts of the State of Delaware and the United States District Court for the District of Delaware for any action, suit or proceeding (other than appeals therefrom) arising out of or relating to this Patent Assignment, and agree not to commence any action, suit or proceeding (other than appeals therefrom) related thereto except in such courts. **THE PARTIES IRREVOCABLY AND UNCONDITIONALLY WAIVE THEIR RIGHT TO A JURY TRIAL**

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the undersigned have duly executed this Patent Assignment,  
as of the day and year first above written.

**NUVO RESEARCH INC.**

By: \_\_\_\_\_

Name: JOHN C. LONDON

Title: PRESIDENT & CO-CEO

**HZNP LIMITED**

By: \_\_\_\_\_

Name:

Title:

[SIGNATURE PAGE TO PATENT ASSIGNMENT AGREEMENT]

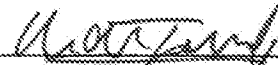
**PATENT**  
**REEL: 046620 FRAME: 0777**

IN WITNESS WHEREOF, the undersigned have duly executed this Patent Assignment,  
as of the day and year first above written.

**NUVO RESEARCH INC.**

By: \_\_\_\_\_  
Name:  
Title:

**HZNP LIMITED**

By:   
Name: ILEVIN HSELY  
Title: SECRET



**Schedule 1**  
**Assigned Patents**

<b>Title of Patent or Patent Application</b>	<b>Serial Number</b>	<b>Filing Date</b>	<b>Patent Number</b>
Diclofenac Topical Formulation	12/134,121	October 17, 2007	8,252,838
Diclofenac Topical Formulation	13/564,688	August 1, 2012	8,563,613
Diclofenac Topical Formulation	14/025,781	September 12, 2013	Allowed
Diclofenac Topical Formulation	14/497,096	September 25, 2014	Pending
Treatment of pain with topical diclofenac compounds	12/459,998	July 10, 2009	8,546,450
Treatment of pain with topical diclofenac compounds	12/660,865	March 4, 2010	8,618,164
Treatment of pain with topical diclofenac	12/914,867	October 28, 2010	8,217,078
Treatment of pain with topical diclofenac	13/665,790	October 31, 2012	Pending
Treatment of pain with topical diclofenac	13/668,061	November 2, 2012	8,741,956
Dispensing system <sup>1</sup>	13/657,711	October 22, 2012	Pending
Dispensing system <sup>12</sup>	PCT/US13/66237	October 22, 2013	Pending

<sup>1</sup> Jointly owned by Mallinckrodt LLC

<sup>2</sup> Only with respect to any U.S. national phase entry