502516714 10/01/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| EMORY UNIVERSITY | 09/26/2013 |

RECEIVING PARTY DATA

| Name: | Children's Healthcare of Atlanta, Inc. | |
|-----------------|--|--|
| Street Address: | 1600 Tullie Circle NE | |
| City: | Atlanta | |
| State/Country: | GEORGIA | |
| Postal Code: | 30329 | |

PROPERTY NUMBERS Total: 2

| Property Type | Number | |
|---------------------|-----------|--|
| Application Number: | 61669927 | |
| PCT Number: | US1349898 | |

CORRESPONDENCE DATA

Fax Number: 4047271271

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Correspondent Name: Emory University

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Address Line 2: Office of Technology Transfer
Address Line 4: Atlanta, GEORGIA 30322

| ATTORNEY DOCKET NUMBER: | 12164 PCT-CHOA | |
|-------------------------|------------------|--|
| NAME OF SUBMITTER: | Winsome A Dunn | |
| Signature: | /Winsome A Dunn/ | |
| Date: | 10/01/2013 | |

Total Attachments: 2

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PATENT REEL: 031320 FRAME: 0663 OF \$80.00 61669927

Attorney Ref.:: GSURF 2012-13 Emory Ref: 12164

ASSIGNMENT

WHEREAS, **EMORY UNIVERSITY**, having a place of business at the Office of Techology Transfer, 1599 Clifton Road NE, 4th Floor, Atlanta, GA 30322, hereinafter referred to as ASSIGNOR, owns an undivided right, title, and interest with **GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC.**, in U. S. Provisional Application No. 61/669.927, and International PCT Application No. PCT/US2013/049898, which is recorded at Reel 031269/ Frame 0790; and

NOW, THEREFORE, for good and valuable consideration received, the sufficiency and adequacy of which are hereby acknowledged, EMORY UNIVERSITY, sell, assign and transfer unto said CHILDREN'S HEALTHCARE OF ATLANTA, INC., a Georgia nonprofit corporation with offices located at 1600 Tullie Circle NE, Atlanta, Georgia 30329, an undivided interest in the right and title in and to EMORY UNIVERSITY'S ownership in said invention throughout the world, including, without limitation, any U.S. application claiming a right of priority from this provisional application, said provisional application, any Letters Patent which may issue thereon, and any subsequent application(s) claiming priority to the above-identified application(s) under 35 U.S.C. § 19(e), any reissue, reexamination, division, continuation-in-part, extension or continuation thereof and all rights of priority under any International Convention arising from said application(s).

AND, we, EMORY UNIVERSITY and CHILDREN'S HEALTHCARE OF ATLANTA, INC., hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid our legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

PATENT REEL: 031320 FRAME: 0664

Attorney Ref.: GSURF 2012-13 Emory Ref: 12164 PCT/US2013/049898

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IN WITNESS WHEREOF, we have executed this assignment on the day indicated below.

| | EMORY UNIVERSITY |
|--|---|
| Date: 4.26.13 | By: Name SUSANNE HOLLINGER, JD, PhD Title: Chief Intellectual Property Officer and Director, License and Patent Startegy |
| State of GEORGIA | |
| County of DEKALB | annian de la companya |
| evidence to be the person(s) whose name(s) is/are he/she/they executed the same in his/her/their auti | (Notaty Public) y known to me <u>OR</u> proved to me on the basis of satisfactory subscribed to the within instrument and acknowledged to me that horized capacity as Chief Intellectual Property Officer and his/her/their signature(s) on the instrument the person(s), or the executed the instrument. |
| Midw D. Ja | |
| Notary Public | |
| My Commission Expires: TUNDS. Notary Public, Cob | |
| My Commission S | oles Jan, 3, 2017 |

RECORDED: 10/01/2013

PATENT REEL: 031320 FRAME: 0665