12/22/2014 503111217

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3157825

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Judy Lieberman | 12/16/2014 |

RECEIVING PARTY DATA

| Name: | Children's Medical Center Corporation |
|-----------------|---------------------------------------|
| Street Address: | 55 Shattuck Street |
| City: | Boston |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02115 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14377257 |

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

(617) 542-5070 Phone: Email: apsi@fr.com Correspondent Name: J. P. FASSE

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

| ATTORNEY DOCKET NUMBER: | 37314-0021US1 |
|-------------------------|----------------------|
| NAME OF SUBMITTER: | CHRISTINE M. GRACE |
| SIGNATURE: | /Christine M. Grace/ |
| DATE SIGNED: | 12/22/2014 |

Total Attachments: 3

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> **PATENT** REEL: 034564 FRAME: 0824 503111217

Attorney Docket No.: 37314-0021US1 / CMCC2363

ASSIGNMENT

For valuable consideration, the receipt of which I acknowledge, and intending to be bound legally, I, JUDY LIEBERMAN, assign to CHILDREN'S MEDICAL CENTER

CORPORATION, a corporation formed under the laws of Massachusetts and having a principal place of business at 55 Shattuck Street, Boston, MA 02115, and its successors, transferees, and assignees (collectively the "Assignee"), all of my right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names me as inventor, is titled "NMR-BASED METABOLITE SCREENING PLATFORM", and was filed in the United States Patent and Trademark Office on August 7, 2014, as application 14/377,257 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

I authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in my name or in the Assignee's name.

I represent and warrant that I have the right and power to make this Assignment and that I have not made and will not make any other assignment that conflicts with this Assignment.

I will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Assignment Page 1 of 3

| Judy Lieberman | DATE: | December 16, 2014 | |
|--|---------------|--|--|
| The Commo | onwealth of | Massachusetts | |
| Suffolk County ss. | | | |
| On this 16th day of December public, personally appeared Judy Lieber | | 20 <u>14</u> , before me, the undersigned no | - |
| satisfactory evidence of identification, wl | | | to be |
| the person(s) whose name(s) is/are signed | d on the prec | eding or attached document, and | |
| acknowledged to me that She sign | ned it volunt | arily for its stated purpose. | |
| Not | MAN Public | <u></u> | (NOCCONTRATA A A A A A A A A A A A A A A A A A |
| ; | Com | WENDY E. RICE Notely Public OWNER, Public OWNER, Public OWNER, Public OWNER, Public Owner, 12 8018 | |

Attorney Docket No.: 37314-0021US1 / CMCC2363

| The Assignee hereby acknowledges and accepts the foregoing assignment. | | | | |
|---|-------|--|--|--|
| Assignee: CHILDREN'S MEDICAL CENTER CORPORATION | ş / | | | |
| Signature: Light C | Date: | | | |
| Name: Avgra (Egran) | | | | |
| Title: VICE PRESIDENT | | | | |
| The Commonwealth of Massachusetts | | | | |
| Suffork ss. | | | | |
| On this 18th day of 18ct while, 2014, before me, the undersigned notary public, personally appeared 14454 Chrim, proved to me through satisfactory evidence of identification, which were 145000 Know 2498, to be | | | | |
| the person(s) whose name(s) is/are signed on the preceding or attached document, and | | | | |
| acknowledged to me that signed it voluntarily for its stated purpose. | | | | |
| Spul Men | | | | |
| NOTATY PUBLIC STANLEY T. TABI Notary Public Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires | | | | |
| 23314764.doc February 3, 2017 | | | | |

Assignment Page 3 of 3

PATENT REEL: 034564 FRAME: 0827

RECORDED: 12/22/2014