503585960 11/25/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3632589

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| ANDREW COATS | 11/21/2015 |
| ROBERT J. DYER | 11/24/2015 |

RECEIVING PARTY DATA

| Name: | PORTAL INSTRUMENTS, INC. | |
|-----------------|--------------------------|--|
| Street Address: | 148 SIDNEY STREET | |
| City: | CAMBRIDGE | |
| State/Country: | MASSACHUSETTS | |
| Postal Code: | 02139 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14952056 |

CORRESPONDENCE DATA

Fax Number: (617)500-2499

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: 617-500-2500

Email: info@orpatent.com, smith@orpatent.com

Correspondent Name: OCCHIUTI & ROHLICEK LLP

Address Line 1: 321 SUMMER ST.

Address Line 4: BOSTON, MASSACHUSETTS 02210

| ATTORNEY DOCKET NUMBER: | 40089-002001 | |
|-------------------------|---------------|--|
| NAME OF SUBMITTER: | GRACI SMITH | |
| SIGNATURE: | /Graci Smith/ | |
| DATE SIGNED: | 11/25/2015 | |

Total Attachments: 2

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PATENT 503585960 REEL: 037141 FRAME: 0125

JOINT ASSIGNMENT Attorney Docket No.: 40089-002001

ASSIGNMENT

For valuable consideration, we, Andrew Coats of 73 Beacon Street, #3, Somerville, MA 02143, Robert J. Dyer of 1079 Main Street, Concord, MA 01742, hereby assign to Portal Instruments, Inc., a corporation of Delaware, having a place of business at 148 Sidney Street, Cambridge, MA 02139, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled NEEDLE-FREE TRANSDERMAL INJECTION DEVICE, filed Movember 25, 2015, and 14/952,056 __, and we authorize and request the assigned U.S. Serial Number __ attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

> PATENT REEL: 037141 FRAME: 0126

RECORDED: 11/25/2015

JOINT ASSIGNMENT Attorney Docket No.: 40089-002001

| Date: 24 NOV 2015 | Andrew Coats |
|--|---|
| STATE OF MA | |
| COUNTY OF Middle Sex | |
| On 2 4 Nov 20 IS the State of Massachusetts, t personally known to me (or proved to me on the whose name is subscribed to this Assignment, v his authorized capacity and that by his signature upon behalf of which he acted, executed this As | basis of satisfactory evidence) to be the person who acknowledged having executed the same in on this Assignment, the person or the entity |
| WITNESS my hand and official seal. | |
| | Daville Ang Constitution Public |
| Date: 11/24/2015 | Robert J. Dyer |
| STATE OF MA) SS. COUNTY OF Middlesex | |
| On 24 No 2015 the State of Massachusetts, t personally known to me (or proved to me on the whose name is subscribed to this Assignment, w his authorized capacity and that by his signature upon behalf of which he acted, executed this Ass | the person the person that is a second to be the person the acknowledged having executed the same in the on this Assignment, the person or the entity |
| WITNESS my hand and official seal. | |
| | Daniel Angelon Notary Public |

PATENT REEL: 037141 FRAME: 0127