**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1
Stylesheet Version v1.2

**SUBMISSION TYPE:** NEW ASSIGNMENT

**NATURE OF CONVEYANCE:** ASSIGNMENT

### CONVEYING PARTY DATA

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<th>Name</th>
<th>Execution Date</th>
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### RECEIVING PARTY DATA

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<tr>
<th>Name:</th>
<th>ABBOTT LABORATORIES VASCULAR ENTERPRISES LIMITED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>EARLSFORT CENTER, TERRACE</td>
</tr>
<tr>
<td>City:</td>
<td>DUBLIN</td>
</tr>
<tr>
<td>State/Country:</td>
<td>IRELAND</td>
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<td>Postal Code:</td>
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**PROPERTY NUMBERS** Total: 1

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<tr>
<td>Patent Number:</td>
<td>8323432</td>
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**CORRESPONDENCE DATA**

Fax Number: (801)328-1707

*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.*

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**NAME OF SUBMITTER:** FRASER D ROY

**SIGNATURE:** /Fraser D. Roy, Reg.# 45666/

**DATE SIGNED:** 01/10/2019

Total Attachments: 1

source=F10-8323432#page1.tif
ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns unto

Abbott Laboratories Vascular Enterprises Limited
Palo Alto Center, Terrace
Dublin 2, Ireland

(hereinafter "ASSIGNEE") all right, title and interest for the United States, its territories and possessions in and to his invention relating to

CATHETER AND METHOD OF MANUFACTURING SAME

as set forth in his/her United States Patent Application

Serial No. 10/744,064 Filed December 24, 2003

in and to said United States Patent Application including any and all divisions or continuations and Continuation applications listed in whole or in part on said invention or upon said application, including the right to make applications for Letters Patents throughout the world in respect to the invention and to claim priority under the International Convention for the Protection of Industrial Property, and to all and any and all Letters Patent of any country which may issue on any such application or for said invention, including any and all reissues, reexaminations, or extensions, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full and entire extent of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he/she has the full and unencumbered right to sell and assign the interest herein sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him/her relating to the said invention or patent application and that he/she will execute and deliver any papers, make all diligent search, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues, reexaminations, or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reinstituting or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of Shinjiya Global IP Counselors, LLP the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Date: 02/06/2004

Name: Rode QIJDOR
Address: Beim Bogenlinden 12, D-32108 Rotenburg-Seeborn, Germany


PATENT
REEL: 048043 FRAME: 0416
RECORDED: 01/10/2019