

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ANDRZEJ M MALEWICZ | 11/22/2010 |
| MATTHEW W WESTON | 11/23/2010 |
| DAVID ELIZONDO | 12/02/2010 |
| DANIEL C WEBER | 11/23/2010 |
| RECEIVING PARTY DATA | |
| Name: | 3F THERAPEUTICS, INC. |
| Street Address: | 710 MEDTRONIC PARKWAY |
| City: | MINNEAPOLIS |
| State/Country: | MINNESOTA |
| Postal Code: | 55432 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15337372 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <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> | |
| Phone: | 707 525 0111 |
| Email: | kim.grigg@medtronic.com |
| Correspondent Name: | KIM S GRIGG |
| Address Line 1: | 3576 UNOCAL PLACE |
| Address Line 4: | SANTA ROSA, CALIFORNIA 95403 |
| ATTORNEY DOCKET NUMBER: | P0039733.USV11 |
| NAME OF SUBMITTER: | WILLIAM L. HAYNES |
| SIGNATURE: | /William L. Haynes Reg. No. 48151/ |
| DATE SIGNED: | 12/05/2018 |
| Total Attachments: 5 | |
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ASSIGNMENT

WHEREAS, WE, Andrzej M. Malewicz, Matthew W. Weston, David Elizondo and Daniel C. Weber are the inventors of TRANSAPICAL DELIVERY AND METHOD OF USE for which we have executed a patent application which was or is to be filed in the United States Patent and Trademark Office preparatory to obtaining Letters Patent of the United States, which application was filed on August 27, 2010 as U.S. Patent Application No. 12/870,614; and

WHEREAS, 3F Therapeutics, Inc., a Delaware corporation and wholly-owned subsidiary of Medtronic ATS Medical, Inc., a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 710 Medtronic Parkway, Minneapolis, Minnesota 55432, hereinafter referred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;

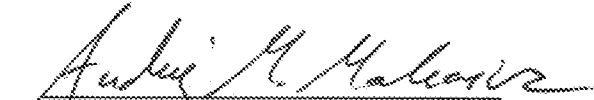
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have assigned, transferred and set over and by these presents do assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor including my rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part, reissues and reexaminations of said Letters Patent that may be granted, and in and to any of my interest in parent applications U.S. Provisional Application No. 61/238,063, filed August 28, 2009; U.S. Provisional Application No. 61/287,030, filed December 16, 2009; and U.S. Provisional Application No. 61/322,501, filed April 9, 2010; the same to be held and enjoyed by Corporation for its own use and behoof and use and behoof of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made;

AND, for the consideration aforesaid, I materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful inventors of the entire right, title and interest in and to the invention;

AND, for the consideration aforesaid, I hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue, reexamination or extension of said Letters Patent is lawful and desirable, I, or my executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue, reexamination or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

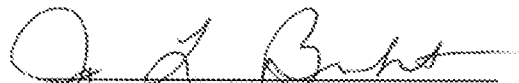
IN WITNESS WHEREOF, I have hereunto set my hand on this 22 day
of Nov, 2010.

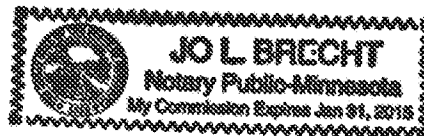

Andrzej M. Malewicz

STATE OF Minnesota
COUNTY OF Hennepin ss.

On this 22 day of Nov, 2010, before me personally appeared Andrzej M. Malewicz, to me known to be the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.


Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 23 day
of Nov, 2010.

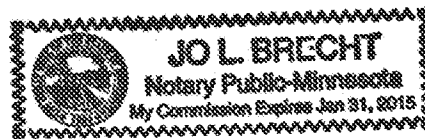
Matthew W. Weston
Matthew W. Weston

STATE OF Minnesota
COUNTY OF Hennepin ^{ss.}

On this 23rd day of Nov, 2010, before me personally appeared Matthew W. Weston, to me known to be the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

Jo L. Brecht
Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

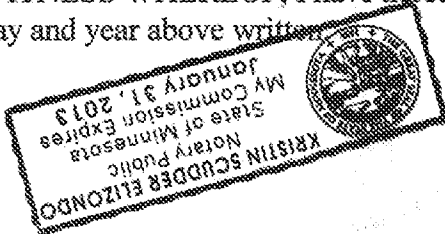
IN WITNESS WHEREOF, I have hereunto set my hand on this 2 day of December, 2010.

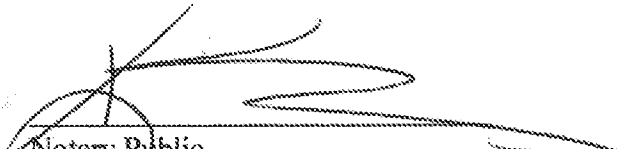

David Elizondo

STATE OF MINNESOTA
ss.
COUNTY OF RENEAU

On this 2nd day of December, 2010, before me personally appeared David Elizondo, to me known to be the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.




Notary Public

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 23 day
of November, 2010.


Daniel C. Weber

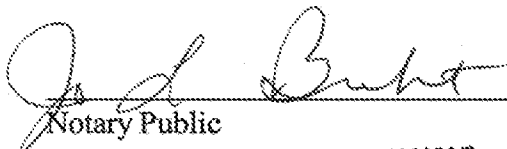
STATE OF Minnesota

ss.

COUNTY OF Hennepin

On this 23rd day of Nov., 2010, before me personally appeared David Elizondo, to me known to be the person described in and who executed the foregoing instrument and acknowledged that (s)he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.


Notary Public

