504612672 10/26/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4659385

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| FREDERIK H.M. WITTKAMPF | 11/07/2011 |
| HELMERT VAN WESSEL | 11/07/2011 |

RECEIVING PARTY DATA

| Name: | UMC UTRECHT HOLDING B.V. | |
|----------------------|--------------------------|--|
| Street Address: | t Address: YALELAAN 40 | |
| City: | UTRECHT | |
| State/Country: | /Country: NETHERLANDS | |
| Postal Code: 3584 CM | | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------|--------------|--|
| PCT Number: | EP2009001199 | |

CORRESPONDENCE DATA

Fax Number:

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.

Email: MN IPMAIL@DYKEMA.COM

Correspondent Name: REED R. HEIMBECHER, DYKEMA GOSSETT PLLC

Address Line 1: 90 SOUTH SEVENTH STREET Address Line 2: 4000 WELLS FARGO CENTER Address Line 4:

MINNEAPOLIS, MINNESOTA 55402

| ATTORNEY DOCKET NUMBER: | 0F-050301US | |
|-------------------------|--------------------|--|
| NAME OF SUBMITTER: | ANNE R. CARLBERG | |
| SIGNATURE: | /ANNE R. CARLBERG/ | |
| DATE SIGNED: | 10/26/2017 | |

Total Attachments: 1

source=Executed_AST_Wittkampf_and_Wessel#page1.tif

PATENT REEL: 044601 FRAME: 0458 504612672

ASSIGNMENT OF APPLICATION (JOINT)

Any Docket No. ARSI-107

THIS ASSIGNMENT, by Frederik Henricus Mattheus Wittkampf, Helmert Van Wessel, Richard E. Stehr and Martin M. Grasse (hereinafter referred to as the assignors), residing in Lage Vuursche, Netherlands, Elst, Netherlands, Stillwater, Minnesota and Chicago, Illinois, respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

"Ablation Catheter and Method for Electrically Isolating Cardiac Tissue"

XX filed on February 12, 2009 as PCT International Application No. <u>PCT/EP2009/001199</u> designating the United States.

WHEREAS, UMC Utrecht Holding B.V. a corporation duly organized under and pursuant to the laws of the Netherlands, and having its principal place of business at Yalelaan 40, NL-3584 CM, Utrecht, Netherlands (hereinafter referred to as the assignee) is desirous of acquiring their right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, asid assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, all of their right, title and interest in and to the above-mentioned invention, application for Letters Paient, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful outins, and deall acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the use and behalf of said assignee, its successors, legal representatives and assigns.

| Date NOVI. 2011 | Name of Inventor | Frederik Heyerbus Mattheus Wittkampf |
|------------------------|------------------|--------------------------------------|
| Date 7 - 11 - 11 (dmy) | Name of Inventor | |
| Date | Name of Inventor | Richard E. Stehr |
| Date | Name of Inventor | Manin M. Grasse |

PATENT REEL: 044601 FRAME: 0459

RECORDED: 10/26/2017