

Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2015)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):
Peter Nicholas Braidó (06/26/2013), Katherine A. Ahmann (11/04/2013), Mina Safwat Fahim (09/04/2013),
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: St. Jude Medical, Cardiology Division, Inc.
Internal Address: _____
Street Address: _____

177 East County Road B

City: St. Paul
State: Minnesota
Country: United States of America Zip: 55117
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): in parentheses after inventor name
 Assignment Merger Change of Name
 Security Agreement Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):
A. Patent Application No.(s)
13/781,423
Additional numbers attached? Yes No

This document is being filed together with a new application.
B. Patent No.(s)

 Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Peter D. Sleman
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLP
Internal Address: Atty. Dkt.:
Street Address: 600 South Avenue West

City: Westfield
State: NJ Zip: 07090
Phone Number: 908-654-5000
Fax Number: 908-654-7866
Email Address: mccormier@ldlkm.com

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
Deposit Account Number 12-1095
Authorized User Name Peter D. Sleman

9. Signature:
/Peter D. Sleman/ PDS November 26, 2013
Signature Date
Peter D. Sleman - 66,401 Total number of pages including cover sheet, attachments, and documents: 7
Name of Person Signing

CH \$40.00 121095 13781423

**RECORDATION FORM COVER SHEET (PTO-1595)
(supplemental sheet)**

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Jeffrey J. Allison (06/25/2013), and Andrea L. McCarthy (06/26/2013)

Additional Assignees (2. Continued):

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address:

Street Address:

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:

Additional Patent Numbers
4B. Continued:

Additional numbers attached?

Yes No

former PTO/SB/15 (8-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-233 (CD-645)
<p>Whereas, I, <u>Peter Nicholas Braido</u> of <u>21460 Heidelberg St. NE; Wyoming, Minnesota 55092</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>LEAFLET IN CONFIGURATION FOR FUNCTION IN VARIOUS SHAPES AND SIZES</u> <input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>February 28, 2013</u></p> <p style="margin-left: 40px;">Application Number <u>13/781,423</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____ and _____</p> <p>Whereas, <u>St. Jude Medical, Cardiology Division, Inc.</u> a corporation of <u>Delaware</u> herein referred to as "assignee" whose mailing address is <u>177 East County Road B; St. Paul, Minnesota 55117</u> is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.</p> <p>I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. <u>61/665,616</u>, filed <u>June 28, 2012</u>, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. <u>61/665,616</u> pursuant to any law or treaty in the countries of the world.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.</p> <p style="text-align: center;"><u>26 June 2013</u> (Date) <u>[Signature]</u> (Signature)</p> <p>State of <u>Minnesota</u>) ss: County of <u>Anoka</u>)</p> <p>On this <u>26th</u> day of <u>June</u>, <u>2013</u> before me personally came the above-named <u>Peter Nicholas Braido</u>, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.</p> <p style="text-align: center;"><u>[Signature]</u> (Notary Public)</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;"> <p style="text-align: center;">ANDREA J PAHAN NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2016</p> </div> <p><input checked="" type="checkbox"/> *Total of <u>5</u> forms are submitted. D-530/</p>	

former PTO/SS/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-233 (CD-645)
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Whereas, I, Katherine A. Ahmann of
317 Groveland Ave Unit 317; Minneapolis, MN 55403

hereafter referred to as assignor, have with others invented certain new and useful improvements in
LEAFLET IN CONFIGURATION FOR FUNCTION IN VARIOUS SHAPES AND SIZES

for which an application for a United States Letters Patent was filed on February 28, 2013

Application Number 13/781,423

for which an application for a United States Letters Patent was executed by me on _____ and

Whereas, St. Jude Medical, Cardiology Division, Inc.
a corporation of Delaware herein referred to as "assignee" whose mailing address is
177 East County Road B; St. Paul, Minnesota 55117

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/665,616, filed June 28, 2012, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/665,616 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

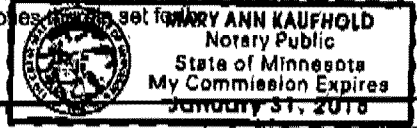
11/04/13
(Date)

[Signature]
(Signature)

State of Minnesota) SS:
County of Hennepin)

On this 1st day of November, 2013 before me personally came the above-named Katherine A. Ahmann, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes herein set forth.

Mary Ann Kaufhold
(Notary Public)



*Total of 5 forms are submitted. LD-530/

former PTO/99/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-233 (CD-645)
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Whereas, I, Mina Safwat Fahim of 5899 Hamline Ave. N.; Shoreview, Minnesota 55126

hereafter referred to as assignor, have with others invented certain new and useful improvements in LEAFLET IN CONFIGURATION FOR FUNCTION IN VARIOUS SHAPES AND SIZES

for which an application for a United States Letters Patent was filed on February 28, 2013

Application Number 13/781,423

for which an application for a United States Letters Patent was executed by me on _____ and

Whereas, St. Jude Medical, Cardiology Division, Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is 177 East County Road B; St. Paul, Minnesota 55117


is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/665,616, filed June 28, 2012, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/665,616 pursuant to any law or treaty in the countries of the world.


And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

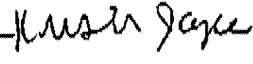
4 SEP 13
(Date)


(Signature)

State of Minnesota) SS:
County of Dakota)

On this 4 day of September, 2013 before me personally came the above-named Mina Safwat Fahim, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

 KRISTA COLETTE JOYCE
Notary Public
State of Minnesota
My Commission Expires January 31, 2014



former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-233 (CD-645)
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Whereas, I, Jeffrey J. Allison of 1301 Drake Cove; Mayer, Minnesota 55360

hereafter referred to as assignor, have with others invented certain new and useful improvements in LEAFLET IN CONFIGURATION FOR FUNCTION IN VARIOUS SHAPES AND SIZES

for which an application for a United States Letters Patent was filed on February 28, 2013

Application Number 13/781,423

for which an application for a United States Letters Patent was executed by me on _____ and _____

Whereas, St. Jude Medical, Cardiology Division, Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is 177 East County Road B; St. Paul, Minnesota 55117

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/665,616, filed June 28, 2012, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/665,616 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

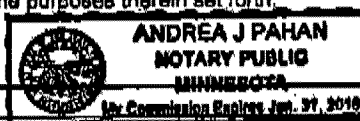
25 JUN 2013
(Date)

Jeffrey J. Allison
(Signature)

State of Minnesota) ss:
County of Anoka)

On this 25th day of June 2013 before me personally came the above-named Jeffrey J. Allison, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Andrea J. Pahan
(Notary Public)



*Total of 5 forms are submitted. LD-530/

former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-233 (CD-645)
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Whereas, I, Andrea L. McCarthy of 425 Springhill Road; Vadnais Heights, Minnesota 55127

hereafter referred to as assignor, have with others invented certain new and useful improvements in LEAFLET IN CONFIGURATION FOR FUNCTION IN VARIOUS SHAPES AND SIZES

for which an application for a United States Letters Patent was filed on February 28, 2013

Application Number 13/781,423

for which an application for a United States Letters Patent was executed by me on _____ and

Whereas, St. Jude Medical, Cardiology Division, Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is 177 East County Road B; St. Paul, Minnesota 55117 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/665,618, filed June 28, 2012, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/665,618 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

26 Jun 13
(Date)

Andrea McCarthy
(Signature)

State of Minnesota) ss:
County of Anoka)

On this 26th day of June, 2013 before me personally came the above-named Andrea L. McCarthy, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

[Signature]
(Notary Public)

ANDREA J PAHAN
NOTARY PUBLIC
MINNESOTA
My Commission Expires Jan 24, 2016

*Total of 5 forms are submitted. LD-530/