

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4093720

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PETER N. BRAIDO	07/30/2014
ANDREA L. MCCARTHY	08/01/2014
RUBEM L. FIGUEIREDO	08/07/2014
JULIA A. SCHRAUT	08/08/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ST. JUDE MEDICAL, INC.
<b>Street Address:</b>	ONE ST. JUDE MEDICAL DRIVE
<b>City:</b>	ST. PAUL
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55117
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15088524
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)654-0415
<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>	
<b>Phone:</b>	(908) 518-6352
<b>Email:</b>	assignment@lerner david.com
<b>Correspondent Name:</b>	LDLK&M
<b>Address Line 1:</b>	600 SOUTH AVENUE WEST
<b>Address Line 4:</b>	WESTFIELD, NEW JERSEY 07090
<b>ATTORNEY DOCKET NUMBER:</b>	STJUDE 3.3-103 CCCIICII
<b>NAME OF SUBMITTER:</b>	MELINDA C. CORMIER
<b>SIGNATURE:</b>	/Melinda C. Cormier/
<b>DATE SIGNED:</b>	10/12/2016
<b>Total Attachments: 4</b>	
source=STJUDE 3.3-103 CCCIICII (2034) Assignment#page1.tif	
source=STJUDE 3.3-103 CCCIICII (2034) Assignment#page2.tif	
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ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)  
STJUDE 3.3-103 CON CON (E)

Whereas, I, Peter N. Braido of 21480 Heidelberg St. NE, Linwood, Minnesota 55092 hereafter referred to as assignor, have with others invented certain new and useful improvements in COLLAPSIBLE PROSTHETIC HEART VALVES

for which an application for a United States Letters Patent was filed on July 17, 2014  
Application Number 14/394,059

or which an application for a United States Letters Patent was executed by me on \_\_\_\_\_

for which an International Application was filed on \_\_\_\_\_, as \_\_\_\_\_, designating the United States.

And

Whereas, St. Jude Medical, Inc., a corporation of Minnesota herein referred to as "assignee" whose mailing address is One St. Jude Medical Drive; 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 dollar (\$ 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, 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 all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, 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 assignee, 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. 60/995,648, filed September 26, 2007, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/995,648 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.

30 July 2014  
(Date)

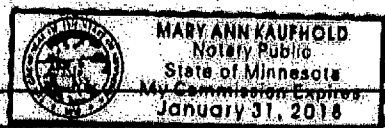
Peter Braido  
(Signature)

State of Minnesota ) SS:

County of Linn )

On this 30<sup>th</sup> day of July, 2014 before me personally came the above-named Peter N. Braido, 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.

Mary Ann Kaufhold  
(Notary Public)



\*Total of 4 forms are submitted.

**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)  
STJUDE 3.3-103 CON CON (E)

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 COLLAPSIBLE PROSTHETIC HEART VALVES

for which an application for a United States Letters Patent was filed on July 17, 2014

Application Number 14/334,059

or which an application for a United States Letters Patent was executed by me on \_\_\_\_\_

for which an International Application was filed on \_\_\_\_\_, as

\_\_\_\_\_ , designating the United States.

And

Whereas, St. Jude Medical, Inc. a corporation of Minnesota herein referred to as "assignee" whose mailing address is One St. Jude Medical Drive, 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 dollar (\$ 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, 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 all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, 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. 60/995,648, filed September 26, 2007, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 60/995,648 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.

Aug 1, 2014  
(Date)

Andrea McCarthy  
(Signature)

State of Minnesota ) SS:

County of Ramsey )

On this 1<sup>st</sup> day of August, 2014 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.

Mary Ann Kauffhold  
(Notary Public)



\*Total of 4 forms are submitted.

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)
STJUDE 3.3-103 CON CON (E)

Whereas, I, Rubem L. Figueiredo of Rue Tenente Sampa, 520 Novo Progresso, Contagem, MG, BRAZIL, hereafter referred to as assignor, have with others invented certain new and useful improvements in COLLAPSIBLE PROSTHETIC HEART VALVES

[X] for which an application for a United States Letters Patent was filed on July 17, 2014
Application Number 14/334,059

[ ] or which an application for a United States Letters Patent was executed by me on

[ ] for which an International Application was filed on as

designating the United States.

And

Whereas, St. Jude Medical, Inc. a corporation of Minnesota herein referred to as "assignee" whose mailing address is One St. Jude Medical Drive, 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 dollar (\$ 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, continuations, 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 all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, 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. 60/995,648, filed September 28, 2007, and in the invention disclosed therein in all countries of the world including the right to claim priority or benefit of said Application No. 60/995,648 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.

AUG 7TH, 2014
(Date)

[Signature]
(Signature)

State of MINAS GERAIS ) ss.

County of CONTAGEM )

RUBEM LUCAS PENA DE FIGUEIREDO

On this 7TH day of AUGUST, 2014 before me personally came the above-named Rubem L. Figueiredo, 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.

Notary Public section containing stamps for 'Tabelionato de Notas', 'MIG 030 8625', 'Vale do Sureno', and 'PRODUIZ EFETOS NO EXTERIOR'. Includes a signature and date: 'Rubem Lucas Pena de Figueiredo' dated '09/08/2014 10:21:18'.

[X] \*Total of 4 forms are submitted.

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

STJUDE 3.3-103 CON CON (E)

Whereas, I, Julia A. Schraut of 844 Country Road L West Shoreview, Minnesota 55126, hereafter referred to as assignor, have with others invented certain new and useful improvements in COLLAPSIBLE PROSTHETIC HEART VALVES

for which an application for a United States Letters Patent was filed on July 17, 2014

Application Number 14/334,059

or which an application for a United States Letters Patent was executed by me on \_\_\_\_\_

for which an International Application was filed on \_\_\_\_\_ as \_\_\_\_\_

\_\_\_\_\_ , designating the United States.

And

Whereas, St. Jude Medical, Inc., a corporation of Minnesota herein referred to as "assignee" whose mailing address is One St. Jude Medical Drive; 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 dollar (\$ 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, 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 all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, 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. 60/995,648, filed September 26, 2007, and in the invention disclosed therein in all countries of the world including the right to claim priority or benefit of said Application No. 60/995,648 pursuant to any law or treaty in the countries of the world.

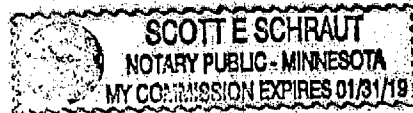
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

08 AUG 14  
(Date)

Julia A. Schraut  
(Signature)

State of Minnesota ) SS:

County of Rainey )



On this 08th day of August, 2014 before me personally came the above-named Julia A. Schraut, 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.

Scott E. Schraut  
(Notary Public)

PATENT