

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5977362

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JIAYIN LIU	01/10/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ST JUDE MEDICAL INTERNATIONAL HOLDING S.À R.L.
<b>Street Address:</b>	REGUS CENTER, 26, BOULEVARD ROYAL
<b>Internal Address:</b>	L-2449
<b>City:</b>	LUXEMBOURG
<b>State/Country:</b>	LUXEMBOURG
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	62275877
<b>Application Number:</b>	15400655
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	CD-1106
<b>NAME OF SUBMITTER:</b>	JILLIAN K. AWE
<b>SIGNATURE:</b>	/Jillian K. Awe/
<b>DATE SIGNED:</b>	02/24/2020
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

WHEREAS I, Jiayin Liu of 25162 Bautista, Laguna Hills, California 92653 (hereinafter "ASSIGNOR"), am, together with Troy T. Tegg, John W. Sliwa, Yu Liu, and Giovanni Leo, a named inventor on the family of patent applications listed in Exhibit A, each application entitled:

### MEDICAL DEVICE WITH MULTI-CORE FIBER FOR OPTICAL SENSING

NOW, THEREFORE, for and in consideration of good and valuable consideration to me in hand paid by St. Jude Medical International Holding S.à r.l. (hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, I hereby sell, assign, and transfer unto ASSIGNEE, a corporation organized and existing under the laws of Luxembourg, and having a business address at Regus Center, 26, boulevard Royal, L-2449 Luxembourg, LU, its successors and assigns, my entire right, title, and interest in, to, and under said applications and all related inventions, and all divisions, continuations, continuations-in-part, reissues, or renewals of said applications, and all patents, both foreign and domestic, that may or shall issue therefor, including all of my entire rights under any and all international conventions, together with the right to sue and recover for, and the right to profits or damages due or accrued arising out of or in connection with, any and all past, present, or future infringements of any patent or patents issuing with respect thereto;

AND I HEREBY authorize ASSIGNEE, its successors and assigns, or anyone it has properly designated, to apply for patents, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any aforesaid application, and otherwise take advantage of the provisions of any and all international conventions;

AND I HEREBY authorize and request any official of any State whose duty consists of issuing patents, or other evidence or forms of any industrial property protection on any aforesaid application, to issue same to ASSIGNEE, its successors and assigns, in accordance herewith;

AND I HEREBY covenant and agree with ASSIGNEE, its successors and assigns, that I have the full right to convey the entire interest assigned herein, and that I have not executed, and will not execute, any agreement in conflict herewith, and that I will not do any other act whatsoever conflicting with these presents, and that I or my successors, assigns, executors, or administrators will at any time upon request, without further or additional consideration, but at the expense of ASSIGNEE, its successors and assigns, communicate to ASSIGNEE, its successors and assigns, any facts known to ASSIGNORS respecting said inventions, and testify in any legal proceedings, sign any lawful papers, execute any original, divisional, continuation, and continuation-in-part applications, make any rightful oaths, and generally do such additional acts as ASSIGNEE, its successors and assigns, may deem necessary or desirable to obtain and enforce proper protection for said inventions throughout the world;

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AND I HEREBY further covenant and agree that this assignment is effective as of 07 January 2016.

Executed this 10<sup>th</sup> day of Jan, 2020,

at

Jiayin Liu  
Jiayin Liu

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

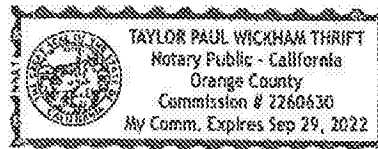
State of California

County of

On January 10, 2020 before me personally appeared Jiayin Liu, who proved to me on the basis of sufficient evidence to be the person whose name is subscribed to this Assignment and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person executed the Assignment.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



J.P. Wickham  
Notary Public Signature

Notary Public Seal



EXHIBIT A

<u>Title</u>	<u>App'n No.</u>	<u>Filing Date</u>	<u>Publication No.</u>	<u>Publication Date</u>
Medical Device with Multi-Core Fiber for Optical Sensing	62/275,877	7 January 2016	N/A	N/A
Medical Device with Multi-Core Fiber for Optical Sensing	15/400,655	6 January 2017	2017/0196479 A1	13 July 2017
Medical Device with Multi-Core Fiber for Optical Sensing	PCT/IB2017/050066	6 January 2017	WO 2017/118949	13 July 2017
Medical Device with Multi-Core Fiber for Optical Sensing	CN 2017800055792	6 January 2017	CN 108430368 A	21 August 2018
Medical Device with Multi-Core Fiber for Optical Sensing	EP 17701747.2	6 January 2017	EP 3 376 986	26 September 2018
Medical Device with Multi-Core Fiber for Optical Sensing	JP 2018-535167	6 January 2017	JP 2019-503225	7 February 2019