

## PATENT ASSIGNMENT COVER SHEET

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ERIC K. MANGIARDI	05/30/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	Q3 MEDICIAL DEVICES LIMITED	
<b>Street Address:</b>	88 HARCOURT STREET	
<b>City:</b>	DUBLIN	
<b>State/Country:</b>	IRELAND	
<b>Postal Code:</b>	2	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15165917
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<b>ATTORNEY DOCKET NUMBER:</b>	1062-044 CONT (230838)	
<b>NAME OF SUBMITTER:</b>	PING WANG	
<b>SIGNATURE:</b>	/Ping Wang/	
<b>DATE SIGNED:</b>	05/31/2016	
<b>Total Attachments: 2</b>		
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Docket No.: 1062-044 CONT

## Assignment of Application

WHEREAS, I (we), Eric K. MANGIARDI, 701 Queen Charlottes Court, Charlotte, NC 28211

\_\_\_\_\_, respectively,  
have invented certain new and useful improvements in:

BIDIRECTIONAL STENT AND METHOD OF USE THEREOF

for which an application for Letters Patent was executed on \_\_\_\_\_

(Application No. 15/165,917, Filed May 26, 2016); and

WHEREAS, Q3 MEDICAL DEVICES LIMITED

(hereinafter referred to as "ASSIGNEE"), having a place of business at:

88 Harcourt Street

Dublin 2, Ireland

is desirous of acquiring the full and exclusive right in and to said Invention and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries;

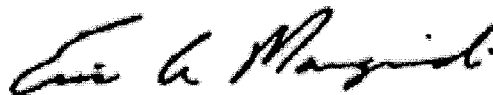
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, I (we), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right in and to said Invention in the United States and its territorial possessions and in any and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, continuations, substitutions, renewals and reissues thereof.

I (we) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE and said ASSIGNEE's 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 by me (us) had this Assignment and sale not been made.

Further, I (we) agree that I (we) will communicate to said ASSIGNEE or said ASSIGNEE's representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally, do everything possible to aid said ASSIGNEE, and said ASSIGNEE's successors and assigns, to obtain and enforce proper protection for said Invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Andrews Kurth, LLP, 1350 I Street, N.W., Suite 1100, Washington, DC 20005, the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 05/30/2016



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(Signature of Inventor) Eric K. MANGIARDI