

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Marcel Limousin	11/23/2010
RECEIVING PARTY DATA	
Name:	SORIN CRM S.A.S.
Street Address:	4, avenue Reaumur
Internal Address:	Parc d'affaires NOVEOS
City:	Clamart Cedex
State/Country:	FRANCE
Postal Code:	92140
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12953090
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ATTORNEY DOCKET NUMBER:	8707-2242_S247
NAME OF SUBMITTER:	Robert M. Isackson
Total Attachments: 2 source=2242Assignment - ELA 247#page1.tif source=2242Assignment - ELA 247#page2.tif	

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ASSIGNMENT

WHEREAS:

Sole Inventor: Marcel LIMOUSIN
Residence/Post Office Address: 11 rue Marguerin
City: Paris
Foreign Country: France
Zip Code: 75014
Citizen of: FRANCE

☒ have made an invention titled:

**"System and Method For Cardiac Resynchronization Therapy With
Optimization of Effort-based Rate-Responsive Pacing"**

☒ are about to make application for United States Letters Patent therefor, the same being
executed by us on even date or dates herewith;

X have made application for United States Letters Patent thereof, filed 11/23/2010 under
Application Number 12/953,090.

WHEREAS, Sorin CRM S.A.S., a corporation organized and existing under the laws of
FRANCE and having an office and place of business at:

**Parc d'affaires NOVEOS
4, avenue Reaumur
92140, CLAMART Cedex
FRANCE**

(hereinafter the "Assignee") is desirous of acquiring the entire interest in said invention for the
United States of America, in said United States patent application, and in any United States Letters
Patent which may issue thereon; and

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar
(\$1.00) paid to inventors named above, and for other good and valuable consideration, the receipt
and sufficiency of which is hereby acknowledged, we, the inventors, do hereby sell, assign and
transfer unto the Assignee, its successors, assigns and legal representatives, all right, title and interest
in and to said invention and any improvements thereon for the United States, and in and to said

United States patent application, including any continuations and divisions thereof, and any substitute applications therefor, and any United States Letters Patent which may issue thereon, and any reexamination and reissue of the same; and we hereby authorize and request competent authorities to grant and issue any and all United States Letters Patent on said invention to the Assignee as the assignee of the entire interest therein; and we further agree upon request of the Assignee to give sworn statements and to execute such additional documents, if any, as may be necessary and proper to secure a patent protection and enforce patents in and for the United States, and otherwise to give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto individually signed our name, and indicated date of signature, hereinafter:

Sole Inventor's Signature: Marcel Limousin Marcel LIMOUSIN

23/11/10 (date)
November 23, 2010