Title (en)
METHODS AND SYSTEMS FOR CARDIAC REMODELING VIA RESYNCHRONIZATION

Title (de)
VERFAHREN UND SYSTEME FÜR KARDIALE REMODELLIERUNG MITTELS RESYNCHRONISATION

Title (fr)
PROCÉDÉS ET SYSTÈMES DE REMODELAGE CARDIAQUE PAR RESYNCHRONISATION

Publication
EP 2040798 A4 20130206 (EN)

Application
EP 07812610 A 20070703

Priority
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Abstract (en)
[origin: WO2008006002A2] Systems, methods and devices are provided for improving the hemodynamic efficiency of a patient's heart by implanting one or more reinforcement elements on or with the heart and providing electrical stimulation to the heart. The reinforcement elements may include magnetic and/or shape memory material and are configured to reshape the heart so as to boost the heart's mechanical energy during a response to the electrical stimulation. In some embodiments, at least one reinforcement element includes an electrode configured to sense electrocardiogram signals within the heart. An electrical stimulation device such as an implantable or external pacemaker/defibrillator may be configured to control delivery of electrical pulses to the heart based on the sensed electrocardiogram signals. In addition, or in other embodiments, at least one reinforcement element includes an electrode configured to deliver the electrical pulses to the heart.

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Citation (search report)
• [XY] US 6702732 B1 20040309 - LAU LILIP [US], et al
• [Y] WO 2005091860 A2 20051006 - ADVANCED RESUSCITATION LLC [US], et al
• [Y] US 2006015003 A1 20060119 - MOADDES SHAHRAM [US], et al
• See references of WO 2008006002A2

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