

IMPLANTABLE SYSTEM FOR STIMULATING A HUMAN HEART OR AN ANIMAL HEART

ABSTRACT

The invention relates to an implantable system for stimulating a human heart or an animal heart, comprising a processor (170), a memory unit (180), an atrial stimulation unit (130), a ventricular stimulation unit (150), and a first detection unit (120) for detecting atrial tachycardia. The memory unit (180) includes a computer-readable program that prompts the processor (170) to carry out the following steps when the program is being executed on the processor (170): a) detecting (210) by way of the first detection unit (120) whether atrial tachycardia to be treated is present in a human heart or an animal heart; b) when atrial tachycardia to be treated is present, carrying out a ventricular conditioning stimulation (230) by way of the ventricular stimulation unit (150); and c) applying atrial antitachycardia pacing in the form of a stimulation pulse sequence of 2 to 20 pulses or a high-frequency burst having a frequency of up to 50 Hz and a duration of up to 60 seconds (250) by way of the atrial stimulation unit (120) as the ventricular conditioning stimulation (230) is being carried out and/or thereafter.

Fig. 2