

IMPLANTABLE SYSTEM FOR DETECTING ELECTRICAL SIGNALS OF A HUMAN HEART OR AN ANIMAL HEART

Abstract

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The invention relates to an implantable system for detecting electrical signals of a human heart or an animal heart, comprising a processor, a memory unit, a first detection unit for detecting an atrial activity, a second detection unit for detecting a right ventricular activity, and a third detection unit for detecting a left ventricular activity. This system is characterized
10 by being able to automatically carry out the following steps at regular intervals: a1) detecting an intrinsic right atrial activity (106) by way of the first detection unit; b1) detecting an intrinsic right ventricular activity (107) by way of the second detection unit; c1) determining the time that has passed between the intrinsic right atrial activity and the intrinsic right ventricular activity, and storing this time as the atrioventricular conduction time (108);
15 and/or a2) detecting an intrinsic right ventricular activity (107) by way of the second detection unit; b2) detecting an intrinsic left ventricular activity (109, 110, 111, 112) by way of the third detection unit; and c2) determining the time that has passed between the intrinsic right ventricular activity and the intrinsic left ventricular activity, and storing this time as the interventricular conduction time (113, 114, 115, 116).

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FIG. 1