

Title (en)

METHOD OF NONINVASIVELY DETERMINING A PATIENT'S SUSCEPTIBILITY TO ARRHYTHMIA

Title (de)

METHODE ZUR NICHTINVASIVEN BESTIMMUNG DER ANFÄLLIGKEIT FÜR ARRHYTHMIEN BEI PATIENTEN

Title (fr)

TECHNIQUE NON INVASIVE PERMETTANT DE DETERMINER LE RISQUE D'ARYTHMIE CHEZ UN PATIENT

Publication

**EP 1152689 A1 20011114 (EN)**

Application

**EP 00905671 A 20000119**

Priority

- US 0001312 W 20000119
- US 11639699 P 19990119
- US 13398399 P 19990513

Abstract (en)

[origin: WO0041622A1] A system and method for detecting a patient's susceptibility to arrhythmias and cardiac tissue abnormality is disclosed. The method consists of using a computer (27), a display (23), software (not shown) loaded into the computer (27) that generates graphical user interfaces (GUI), an electronic interface (18), and a plurality of electrodes (not numbered). The electronics interface (18) is in electronic communication with the computer (27), and further in electronic communication with the electrodes (not numbered) that are placed by self-adhesion at predetermined locations on a test subject (35). According to one aspect of the invention, the method enables a user, typically a medical professional, to initiate, with minimal input, certain diagnostic tests involving observing, analyzing a series of QRS complexes, some of which are biased with a subpacing current, and others of which are unbiased. The signals are then compared, and the differences are analyzed to detect a patient's susceptibility to arrhythmias, and cardiac tissue abnormality.

IPC 1-7

**A61B 5/0452**

IPC 8 full level

**A61B 5/366** (2021.01); **A61B 5/332** (2021.01)

CPC (source: EP)

**A61B 5/366** (2021.01); **A61B 5/332** (2021.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0041622 A1 20000720**; AU 2731800 A 20000801; EP 1152689 A1 20011114; EP 1152689 A4 20070509

DOCDB simple family (application)

**US 0001312 W 20000119**; AU 2731800 A 20000119; EP 00905671 A 20000119