

Title (en)

METHOD FOR DETERMINING A DIAGNOSTICALLY RELEVANT PARAMETER FROM THE ELECTROCARDIOGRAPHICAL AND MAGNETOCARDIOGRAPHICAL DATA OF A PATIENT

Title (de)

VERFAHREN ZUM BESTIMMEN EINES DIAGNOSTISCH RELEVANTEN PARAMETERS AUS ELEKTROKARDIOGRAPHISCHEN UND MAGNETOKARDIOGRAPHISCHEN DATEN EINES PATIENTEN

Title (fr)

PROCEDE POUR LA DETERMINATION D'UN PARAMETRE APPLICABLE AU DIAGNOSTIC A PARTIR DE DONNEES ELECTROCARDIOGRAPHIQUES ET MAGNETOCARDIOGRAPHIQUES D'UN PATIENT

Publication

**EP 1337181 A2 20030827 (DE)**

Application

**EP 01969304 A 20010612**

Priority

- DE 10028254 A 20000612
- EP 0106649 W 20010612

Abstract (en)

[origin: WO0200108A2] The direction of the electromotive force vector (EMF vector) of the heart is determined for at least one selected point in the heart cycle, using electrocardiographical data. The direction of the electric current dipole vector (ECD vector) of the heart is determined for at least the same at least one selected point in the heart cycle, using magnetocardiographical data. The angle between the direction of the EMF vector and the ECD vector at the selected point in the heart cycle is then determined, the angle representing a measurement for the myocardial anisotropy of the heart of the examined patient. It has been shown that the angle determined for patients with coronary artery disease (CAD) lies in a completely different angle zone to the angle determined for healthy patients.

IPC 1-7

**A61B 5/0402; A61B 5/0452**

IPC 8 full level

**A61B 5/04** (2006.01)

CPC (source: EP)

**A61B 5/243** (2021.01); **A61B 5/341** (2021.01)

Citation (search report)

See references of WO 0200108A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 0200108 A2 20020103; WO 0200108 A3 20030530**; AU 8960101 A 20020108; DE 10128293 A1 20020606; EP 1337181 A2 20030827

DOCDB simple family (application)

**EP 0106649 W 20010612**; AU 8960101 A 20010612; DE 10128293 A 20010613; EP 01969304 A 20010612