

Title (en)

CARDIAC ELECTROTHERAPY SYSTEM SYNCHRONIZED WITH VENOUS FLOW

Title (de)

MIT VENÖSER BLUTSTRÖMUNG SYNCHRONISIERTES HERZELEKTROTHERAPIESYSTEM

Title (fr)

SYSTEME D'ELECTROTHERAPIE CARDIAQUE SYNCHRONISE AVEC LE DEBIT VEINEUX

Publication

EP 0740565 A1 19961106 (EN)

Application

EP 95907595 A 19950124

Priority

- EP 9500246 W 19950124
- HR P940035 A 19940124

Abstract (en)

[origin: WO9519806A1] A cardiac electrotherapy device comprises a catheter means (90) adapted to be inserted through a blood vessel (6) into the right ventricle of the heart, a distal pacing electrode at the distal end of said catheter means, at least one pair of Doppler measurement ultrasonic piezoelectric transducer means (91 to 94) attached to said catheter means in a position as to detect the velocity of blood flow through pulmonary veins (97) when the catheter means is inserted into the right ventricle of the heart, electrical conductors (150) arranged within said catheter means, which are connected at their distal ends to said pacing electrode and said transducer means, respectively and which are connected or connectable at their proximal ends to an electronic circuitry for receiving and processing the blood flow velocity data of the pulmonary veins (97), detected by said ultrasonic piezoelectric transducer means.

IPC 1-7

A61N 1/365

IPC 8 full level

A61N 1/365 (2006.01)

CPC (source: EP)

A61B 7/04 (2013.01); **A61N 1/36528** (2013.01); **A61N 1/36571** (2013.01)

Citation (search report)

See references of WO 9519806A1

Cited by

WO0002612A2; EP1020202A2; EP1029511A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9519806 A1 19950727; EP 0740565 A1 19961106; HR P940035 A2 19961031; JP H09508029 A 19970819

DOCDB simple family (application)

EP 9500246 W 19950124; EP 95907595 A 19950124; HR P940035 A 19940124; JP 51935595 A 19950124