Title (en)

APPARATUS AND METHOD FOR IDENTIFICATION AND CHARACTERIZATION OF LESIONS AND THERAPEUTIC SUCCESS BY FLOW DISTURBANCES ANALYSIS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR IDENTIFIKATION UND CHARAKTERISIERUNG VON LÄSIONEN MIT THERAPEUTISCHEM ERFOLG MITTELS ANALYSE VON STRÖMUNGSSTÖRUNGEN

Title (fr)

APPAREIL ET PROCEDE D'IDENTIFICATION ET DE CARACTERISATION DE LESIONS ET DE SUCCES THERAPEUTIQUE PAR L'ANALYSE DE PERTURBATIONS DE DEBIT

Publication

EP 1079727 A1 20010307 (EN)

Application

EP 99918253 A 19990504

Priority

- IL 9900233 W 19990504
- US 8417998 P 19980504

Abstract (en)

[origin: WO9956612A1] A medical intratherapeutic diagnostic system (1) includes a signal analyzer (10), and a pressure sensor device (4) adapted for use in the fluid delivery system of a living body, such as a blood vessel system. The system (1) measures flow disturbances found within the blood vessel for the purpose of determining the characteristics of the blood vessel walls including indications of stenosis, aneurism, therapeutic success (balloon dilatation, dissection or stent malposition). The flow disturbance measured is created by the blood flow within areas of atherosclerotic occlusion of blood vessels. The system (1) of the present invention increases the amount of knowledge available to the treating physician about the occlusion size, and blood flow capacity.

IPC 1-7

A61B 5/00

IPC 8 full level

A61B 5/0295 (2006.01); **A61B 5/0215** (2006.01); **A61B 5/022** (2006.01)

CPC (source: EP)

A61B 5/02158 (2013.01)

Citation (search report)

See references of WO 9956612A1

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 9956612 A1 19991111; AU 3626099 A 19991123; CA 2331106 A1 19991111; EP 1079727 A1 20010307; IL 139436 D0 20011125; JP 2002513601 A 20020514

DOCDB simple family (application)

IL 9900233 W 19990504; AU 3626099 A 19990504; CA 2331106 A 19990504; EP 99918253 A 19990504; IL 13943699 A 19990504; JP 2000546652 A 19990504