

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

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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.

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