

Title (en)
SURGICAL PERFORATION METHOD AND DEVICE WITH ECG MONITORING, PRESSURE MONITORING, CURVE AND STAINING ABILITIES

Title (de)
METHODE UND VORRICHTUNG ZUR CHIRURGISCHEN PERFORATION MIT FÄHIGKEIT ZUR EKG-ÜBERWACHUNG, DRUCKÜBERWACHUNG, BIEGUNG UND MARKIERUNG

Title (fr)
PROCEDE ET DISPOSITIF DE PERFORATION CHIRURGICALE A SURVEILLANCE D'ECG ET DE LA PRESSION, INCURVATION ET CAPACITES DE COLORATION

Publication
EP 1587438 A2 20051026 (EN)

Application
EP 04703731 A 20040121

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Abstract (en)
[origin: WO2004064657A2] A device with a functional tip containing at least one active electrode capable of creating a controlled perforation in body tissue through the application of energy (e.g. Radio Frequency (RF)) is described. The position of the tip in a body can be determined in response to ECG measured at the tip and determined by a monitor coupled to the device. The position of the tip can also be determined in response to pressure sensed at the tip and determined by a coupled monitor. The device is useful to remove or perforate unwanted tissue in a controlled manner in any location in the body, particularly in the atrial septum for controlled transseptal puncture. A portion of the distal region of the device is preferably curved in order to decrease the likelihood of injury to structures of a patient such as inadvertent perforation when used in transseptal perforation procedures.

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Citation (search report)
See references of WO 2004064657A2

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