

Title (en)
DEVICE IMPLANTABLE IN BIOLOGICAL DUCTS

Title (de)
IN BIOLOGISCHE KANÄLE IMPLANTIERBARE VORRICHTUNG

Title (fr)
DISPOSITIF IMPLANTABLE DANS DES CONDUITS BIOLOGIQUES

Publication
EP 2552360 A1 20130206 (EN)

Application
EP 11722884 A 20110404

Priority
• IT RM20100153 A 20100402
• IB 2011051436 W 20110404

Abstract (en)
[origin: WO2011121581A1] Medical device (200) that can be implanted in biological ducts in the human body having simultaneous functionalities of mechanical aid for biological ducts, sensor of the state of obstruction of the duct, radio transmitter and data storage unit. The device is made of biocompatible metal alloys and one or more microchips for radio- frequency identification (RFID) provided with a memory, able to monitor its own degree of endothelialization, detect the presence and the evolution of stenotic processes as well as locate the device, recognize it, evaluate its structural integrity and transmit the information collected to a suitable external reader by means of reflection of the electromagnetic field emitted by said external interrogator. The functionalities of the device further permit tracing of the entire history of the device and of the patient's medical data.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
See references of WO 2011121581A1

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