

Title (en)

IMPLANTABLE WIRELESS SENSOR FOR BLOOD PRESSURE MEASUREMENT WITHIN AN ARTERY

Title (de)

IMPLANTIERBARER DRAHTLOSER SENSOR FÜR DIE BLUTDRUCKMESSUNG IN EINER ARTERIE

Title (fr)

CAPTEUR SANS FIL IMPLANTABLE DESTINE A LA MESURE DE LA PRESSION SANGUINE A L'INTERIEUR D'UNE ARTERE

Publication

EP 1545303 A2 20050629 (EN)

Application

EP 03785007 A 20030807

Priority

- US 0324751 W 20030807
- US 21537702 A 20020807

Abstract (en)

[origin: WO2004014456A2] Intra-arterial blood pressure is monitored by inserting a pressure transducer sensor using a catheter into an artery and then using a small, hand-held read out device to measure pressure easily, safely, inexpensively and accurately. In one aspect a sensor is introduced into the body by the steps of folding or rolling the sensor into a cylinder, loading it into a catheter, and deploying into the artery by allowing it to unroll or unfold, either by itself or facilitated by the incorporation of a super-elastic allow component.

IPC 1-7

A61B 5/02; **A61B 5/04**; **A61B 6/00**

IPC 8 full level

A61B 5/02 (2006.01); **A61B 5/0215** (2006.01); **A61B 5/04** (2006.01); **A61B 6/00** (2006.01)

IPC 8 main group level

A61M (2006.01)

CPC (source: EP)

A61B 5/0215 (2013.01); **A61B 5/6882** (2013.01)

Cited by

US11039813B2; US11206992B2; US9078613B2; US11497399B2; US11944495B2; US10806352B2; US11701018B2; US11779238B2; US10806428B2; US10905393B2

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WO 2004014456 A2 20040219; **WO 2004014456 A3 20041223**; **WO 2004014456 A9 20040722**; AU 2003265380 A1 20040225; AU 2009201120 A1 20090409; CA 2494989 A1 20040219; EP 1545303 A2 20050629; EP 1545303 A4 20080213

DOCDB simple family (application)

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