

Title (en)

IMPLANTABLE MEASURING UNIT FOR INTRACORPOREAL MEASUREMENT OF PATIENT DATA

Title (de)

IMPLANTIERBARE MESSEINHEIT ZUR INTRAKORPORALEN MESSUNG VON PATIENTENDATEN

Title (fr)

UNITE DE MESURE IMPLANTABLE POUR MESURER A L'INTERIEUR DU CORPS DES DONNEES D'UN PATIENT

Publication

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Application

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Abstract (en)

[origin: US6083174A] PCT No. PCT/DE98/00406 Sec. 371 Date Dec. 7, 1998 Sec. 102(e) Date Dec. 7, 1998 PCT Filed Feb. 12, 1998 PCT Pub. No. WO98/35610 PCT Pub. Date Aug. 20, 1998A measuring system for measurement of patient data inside a patient's body includes a flexible foil for implantation into the patient's body. At least one sensor is arranged on the flexible foil. A first telemetry unit is also arranged on the flexible foil. The telemetry unit is provided for receiving an inductive power transmission and for transmitting data. Strip conductors electrically connect the at least one sensor element to the telemetry unit. Preferably, the at least one sensor includes a pressure sensor for sensing the patient's brain or cranial pressure. The at least one sensor may optionally include a temperature sensor the patient's brain temperature. A second telemetry unit is located outside the patient's body for receiving the data from the first telemetry unit and for transmitting the inductive power transmission to the first telemetry unit.

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