

Title (en)

REMOTELY INTERROGATED DIAGNOSTIC IMPLANT DEVICE WITH ELECTRICALLY PASSIVE SENSOR

Title (de)

FERNABGEFRAGTES DIAGNOSTISCHES IMPLANTAT MIT ELEKTRISCH PASSIVEM SENSOR

Title (fr)

DISPOSITIF D'IMPLANT DIAGNOSTIQUE INTERROGE A DISTANCE DOTE D'UN DETECTEUR PASSIF ELECTRIQUE

Publication

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Application

**EP 00918289 A 20000323**

Priority

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Abstract (en)

[origin: WO0056210A1] An implant device (32) is provided which is responsive to an external interrogation circuit (38). The implant device (32) includes a structure implantable within a living animal (34) and operatively configured to carry out or assist in carrying out a function within the living animal. The device (32) further includes an electrically passive sensing circuit (not shown) integral with the structure for sensing a parameter associated with the function. In particular, the sensing circuit includes (not shown) an inductive element, wherein the sensing circuit has a frequency dependent variable impedance loading effect on the interrogation circuit (38) in response to an interrogation signal provided by the exciter/interrogator element (36), the impedance loading effect varying in relation to the sensed parameter.

IPC 1-7

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IPC 8 full level

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Citation (search report)

See references of WO 0056210A1

Cited by

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

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