

ABSTRACT

PRINTED CIRCUIT DEVICE WITH INTEGRATED ANTENNA AND IMPLANTABLE SENSOR PROCESSING SYSTEM WITH INTEGRATED PRINTED CIRCUIT BOARD ANTENNA

A printed circuit device used in conjunction with inductive power and data transmission applications is formed substantially of ferrite material, with an inductive coil conductor formed around the substrate to increase the electromagnetic properties of the coil for both power and data transmission functions, thereby eliminating the need for a discrete ferrite core wire-wound coil to be connected to the circuit device.

Fig. 1



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