

Implantable Electronic Medical Device and Transmit/Receive Antenna Therefor

Abstract

5 The invention relates to an implantable electronic medical device, comprising a device body and a header placed thereon, including a telemetry assembly for signal transmission to and/or from outside the body of a patient when the device is implanted, in particular for the wireless bidirectional communication, wherein a transmit/receive antenna, which is physically formed of an elongated conductor and arranged in the region of the header and which is
10 configured so as to have a form fit with the outer contour of at least a portion of the header, and is fixed thereby in the header, is at least largely assigned to the telemetry assembly, a first section (25.2) of the conductor having a spring elastic design and forming a bracket (24), the bracket (24) embracing a connector (22) in the header (21). Furthermore, a transmit/receive antenna (25; 45A to 45D) of a telemetry assembly of an implantable
15 electronic medical device (20) is disclosed.

FIG. 3