

CLAIMS

What is claimed is

1. An implantable medical device (1) for implantation into a patient, comprising:
5 a body (100, 150),
 an anchoring device (13) for anchoring the body (100, 150) to tissue at a
 location of interest, the anchoring device (13) being arranged on the body (100,
 150), and
 an electrode device (14) for at least one of emitting an electrical stimulation
10 signal and sensing an electrical sense signal,
 characterized in that the electrode device (14) comprises at least one
 electrode (140) and a helically extending coil body (142), wherein the electrode
 device (14) is movable with respect to the body (100, 150) between a retracted
 position, in which the electrode device (14) at least partially is received within the
15 body (100, 150), and an engagement position, in which the electrode device (14) is
 moved to protrude from the body (100, 150) to engage with tissue.
2. The implantable medical device (1) according to claim 1, **characterized in** that the
20 body (100, 150) forms a distal end (101, 151) to be placed on tissue upon
 implantation of the implantable medical device (1), wherein the anchoring device
 (13) is arranged on and extends from the distal end (101, 151) and wherein the
 electrode device (14) is movable with respect to the distal end (101, 151).
3. The implantable medical device (1) according to one of the preceding claims,
25 **characterized in** that the electrode device (14) is rotatable with respect to the body
 (100, 150) to screw said helically extending coil body (142) into tissue.
4. The implantable medical device (1) according to one of claims 1 to 3, **characterized**
30 **in** that the body (100) is formed by a lead (10) which is connectable to a generator
 (12) of the implantable medical device (1).

5. The implantable medical device (1) according to claim 4, **characterized in** that the lead (10) comprises a connector (16) by which the lead (10) is connectable to said generator (12), wherein the connector (16) comprises a gauge device (163) for indicating the position of the electrode device (14) with respect to the body (100).
- 5 6. The implantable medical device (1) according to one of claims 1 to 3, **characterized in** that the body (150) is formed by a housing of a leadless pacemaker device (15).
7. The implantable medical device (1) according to one of the preceding claims,
10 **characterized in** that the anchoring device (13) is formed by a helically extending coil.
8. The implantable medical device (1) according to claim 7, **characterized in** that the electrode device (14) is arranged concentrically within the anchoring device (13).
- 15 9. The implantable medical device (1) according to claim 7 or 8, **characterized in** that the anchoring device (13) formed by the helically extending coil comprises a first sense of rotation (R1), and the helically extending coil body (142) of the electrode device (14) comprises a second sense of rotation (R2) opposite to the first sense of
20 rotation (R1).
10. The implantable medical device (1) according to one of the preceding claims, **characterized in** that the anchoring device (13) is formed by at least one flexibly bendable tine.
- 25 11. The implantable medical device (1) according to one of the preceding claims, **characterized in** that the at least one electrode (140) is placed at a tip of the helically extending coil body (142).
- 30 12. The implantable medical device (1) according to one of the preceding claims, **characterized in** that the electrode device (14) comprises a pin (141) to which the

helically extending coil body (142) is connected and about which the helically extending coil body (142) extends.

13. The implantable medical device (1) according to one of the preceding claims,
5 **characterized in** that the electrode device (14) is connected to an inner conductor (103) received within the body (100, 150), wherein the electrode device (14) is movable with respect to the body (100, 150) together with the inner conductor (103).
14. The implantable medical device (1) according to claim 13, **characterized in** that the
10 inner conductor (103) forms said at least one electrode (140).
15. The implantable medical device (1) according to one of the preceding claims,
characterized in that the body (100, 150) comprises a housing element (105) in which the electrode device (14) is received, wherein one of the housing element (105) and the electrode device (14) comprises a threading (107A) and the other of the
15 housing element (105) and the electrode device (14) comprises a counter element (106) engaging with the threading (107A) such that a rotational movement of the electrode device (14) relative to the housing element (105) about a longitudinal axis (L) causes a linear displacement of the electrode device (14) relative to the housing
20 element (105) along the longitudinal axis (L).