**CLAIMS**

What is claimed is

1. An electrode lead for the coronary sinus, comprising:

a lead body that has a distal section for insertion into the coronary sinus; and

at least one electrode to make contact with body tissue, the at least one electrode being arranged on the distal section of the lead body,

wherein the electrode lead has a fixation device that can be extended out of the lead body to fix the electrode lead in a blood vessel,

wherein the fixation device has a linear shape inside of the lead body,

wherein a section of the fixation device extended out of the lead body is designed to be deformed into a defined shape deviating from the linear shape,

wherein the fixation device is movably arranged in a receptacle arranged in the lead body, so that the fixation device can be extended out of the lead bod through an opening in the lead body, the opening being arranged on a distal end of the lead body, and

wherein the lead body has, on the distal end of the lead body, a clamping sleeve to lock the fixation device in place, the clamping sleeve forming the opening through which the fixation device is extended, and the clamping sleeve being designed to clamp around the fixation device, if a mandrel arranged in the lumen is pulled out of the lumen at a proximal end of the lead body.

2. The electrode lead according to claim 1, wherein the electrode is connected with an electrical conductor that is arranged in an interior of the lead body, the electrical conductor extending helically around the said receptacle.

3. The electrode lead according to claim 2, wherein the electrode lead comprises at least two electrodes to make contact with body tissue, the at least two electrodes being arranged on the distal section of the lead body, the respective electrode being connected with an electrical conductor that is arranged in an interior of the lead body, the respective electrical conductor extending helically around the said receptacle and the electrical conductors being arranged coradial to one another.

4. The electrode lead according to claim 2, wherein the lead body has a proximal end, the proximal end having a connection device arranged on it to connect the electrode lead to an implantable pulse generator, and the respective electrical conductor being connected with an associated contact of the connection device.

5. The electrode lead according to claim 1, wherein the defined shape corresponds to one of the following shapes: a helix, an S-curve, a meandering structure, or a J-curve.

6. The electrode lead according to claim 1, wherein the fixation device has a preformed helix to deform the said section.

7. The electrode lead according to claim 1, wherein the fixation device has an external thread that engages with an internal thread of the lead body, allowing the fixation device to be screwed out of the lead body and thereby extended.

8. The electrode lead according to claim 1, wherein the electrode lead has a rotatable plug, so that rotating the plug allows the fixation device to be screwed out of the lead body and thereby extended.

9. The electrode lead according to claim 1, wherein the fixation device has a lumen for insertion of the mandrel into the fixation device, the fixation device being designed to be extended out of the lead body by means of the mandrel inserted into the lumen.

10. The electrode lead according to claim 1, wherein the fixation device has a sleeve on a distal end of the fixation device, that forms a stop for the mandrel.

11. The electrode lead according to claim 1, wherein the fixation device is designed to be locked in place with respect to the lead body, if the mandrel arranged in the lumen is pulled out of the lumen.

12. An electrode lead for the coronary sinus, comprising:

a lead body that has a distal section for insertion into the coronary sinus; and

at least one electrode to make contact with body tissue, the at least one electrode being arranged on the distal section of the lead body,

wherein the electrode lead has a fixation device that can be extended out of the lead body to fix the electrode lead in a blood vessel,

wherein the fixation device is movably arranged in a receptacle arranged in the lead body, so that the fixation device can be extended out of the lead body through an opening in the lead body, the opening being arranged on a distal end of the lead body, and

wherein the lead body has, on the distal end of the lead body, a clamping sleeve to lock the fixation device in place, the clamping sleeve forming the opening through which the fixation device is extended, and the clamping sleeve being designed to clamp around the fixation device, if a mandrel arranged in the lumen is pulled out of the lumen at a proximal end of the lead body.

13. The electrode lead according to claim 1, wherein the fixation device has at least one X-ray marker to measure a length of the extended section of the fixation device, this X-ray marker being fixed on the fixation device, and at least one X-ray marker that is fixed on the lead body.

14. The electrode lead according to claim 1, wherein a proximal area of the fixation device is soft annealed, and wherein a distal area of the fixation device is annealed to be less easily deformable than the proximal area of the fixation device.