

Title (en)

NON-SURGICAL DEVICE AND METHODS FOR TRANS-ESOPHAGEAL VAGUS NERVE STIMULATION

Title (de)

NICHT-CHIRURGISCHE VORRICHTUNG UND VERFAHREN ZUR TRANSÖSOPHAGEALEN VAGUSNERVEN-STIMULATION

Title (fr)

DISPOSITIF NON CHIRURGICAL ET PROCÉDÉS DE STIMULATION DU NERF VAGUE TRANS- SOPHAGIEN

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Application

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Abstract (en)

[origin: WO2008133797A1] Devices and methods of non-surgically providing vagus nerve therapy trans-esophageally to treat a variety of medical conditions are disclosed herein. In an embodiment, an implantable medical device comprises a support member having an outer surface. The support member is adapted to engage the inner wall of an esophagus. The IMD also comprises at least one electrode disposed on the outer surface of the support member. The at least one electrode is capable of applying a trans-esophageal electrical signal to the vagus nerve through the wall of the esophagus from the inner lumen thereof. The implantable medical device further comprises a signal generator coupled to the support member and to the at least one electrode. The signal generator causes the at least one electrode to apply an electrical signal to the vagus nerve to treat a medical condition.

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