

Title (en)  
LEAD IMPLANTATION METHOD

Title (de)  
VERFAHREN ZUR ELEKTRODENIMPLANTATION

Title (fr)  
PROCÉDÉ D'IMPLANTATION DE FIL

Publication  
**EP 3071289 A4 20170531 (EN)**

Application  
**EP 14864930 A 20141120**

Priority  
• US 201361906825 P 20131120  
• US 2014066578 W 20141120

Abstract (en)  
[origin: WO2015077435A1] A method of laparoscopically implanting an electrically stimulating lead proximate the lower esophageal sphincter (LES) of a patient includes delivering the lead through a port of a laparoscope inserted into the abdominal cavity of the patient through an incision in the abdominal wall. The stimulating electrode is implanted in or proximate the muscularis layer of the lower esophageal wall to treat esophageal reflux disease (GERD). The lead includes a needle and suture at its distal end for pulling the electrode into the muscular wall of the LES. Clips are applied to the suture attached to the distal end of the lead to prevent retrograde movement of the electrode. The lead also includes an anchoring member for anchoring the portion of the lead proximal to the electrode. The method and lead used with the method allow the surgeon to work within the confined anatomy present at the gastroesophageal junction and prevents backwards movement and dislodgment of the electrode. The implantation procedure can be combined with a hiatal hernia repair to repair the hernia and prevent recurrence of a hiatal hernia.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [XAI] US 2003195600 A1 20031016 - TRONNES CAROLE [US], et al  
• [A] US 5769881 A 19980623 - SCHROEPPEL EDWARD A [US], et al  
• [A] US 2011071589 A1 20110324 - STARKEBAUM WARREN L [US], et al  
• See references of WO 2015077435A1

Cited by  
US10376694B2; US10603489B2; US11517749B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2015077435 A1 20150528**; AU 2014352987 A1 20160609; CN 105939755 A 20160914; EP 3071289 A1 20160928; EP 3071289 A4 20170531

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