

Title (en)

SYSTEMS AND METHODS FOR ELECTRICAL STIMULATION OF BIOLOGICAL SYSTEMS

Title (de)

SYSTEME UND VERFAHREN ZUR ELEKTRISCHEN STIMULATION VON BIOLOGISCHEN SYSTEMEN

Title (fr)

SYSTÈMES ET PROCÉDÉS DE STIMULATION ÉLECTRIQUE DE SYSTÈMES BIOLOGIQUES

Publication

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Application

EP 14863570 A 20141120

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Abstract (en)

[origin: WO2015077425A1] Systems and methods for the treatment of gastroesophageal reflux disease (GERD) include at least one electrically stimulating electrode coupled to a pulse generator. Individuals with GERD are treated by implanting a stimulation device within and/or proximate the patient's lower esophageal sphincter, gastric fundus, or other nearby gastrointestinal structures and applying electrical stimulation to the patient's lower esophageal sphincter and/or fundus, in accordance with certain predefined protocols. Electrical stimulation provided by the disclosed systems results in an increase in the length of the high pressure zone of the LES and/or modulation of the receptive relaxation response of the fundus to decrease gastric pressure, creating a longer barrier to the reflux of gastric contents or increasing functional lower esophageal pressure respectively, thereby treating GERD.

IPC 8 full level

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Citation (search report)

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