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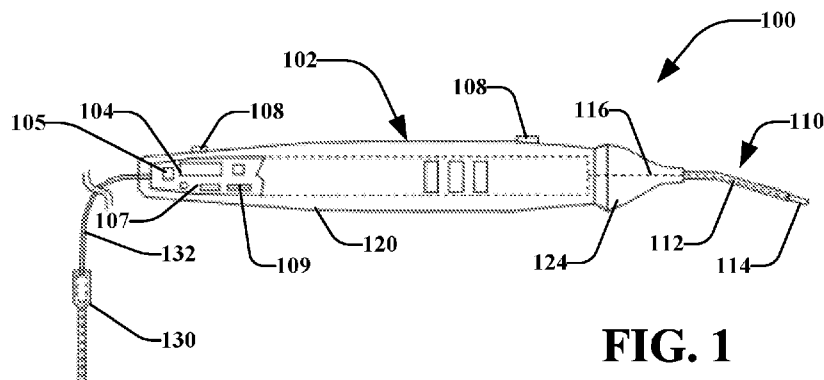


**FIG. 1**

(57) Abstract: An electrical stimulation system includes a stimulation device and a container. The stimulation device may be sealed within the container. A port in the container allows the stimulation device to be coupled with a lead. The stimulation device may be used before, during, and after subcutaneous surgery to apply electrical stimulation for nerve regeneration.



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2019/060532

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61B 5/04; A61B 5/04001; A61B 5/05 (2019.01)

CPC - A61B 5/04; A61B 5/04001; A61B 5/05 (2019.08)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC - 600/374; 600/547; 600/554 (keyword delimited)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages            | Relevant to claim No. |
|-----------|-----------------------------------------------------------------------------------------------|-----------------------|
| X<br>---  | US 2003/0233137 A1 (PAUL, JR.) 18 December 2003 (18.12.2003) entire document                  | 19<br>---             |
| Y         |                                                                                               | 20-23                 |
| X         | US 7,483,734 B2 (COLTHURST) 27 January 2009 (27.01.2009) entire document                      | 24, 25                |
| Y         | US 2012/0296442 A1 (HAUSMAN) 22 November 2012 (22.11.2012) entire document                    | 1-18                  |
| Y         | US 4,423,732 A (TARJAN et al) 03 January 1984 (03.01.1984) entire document                    | 1-18                  |
| Y         | US 2015/0032022 A1 (DEPUY SYNTHES PRODUCTS, LLC) 29 January 2015 (29.01.2015) entire document | 4, 8, 15, 16          |
| Y         | WO 2017/064500 A1 (OXFORD BIOELECTRONICS LTD) 20 April 2017 (20.04.2017) entire document      | 6, 7, 17, 18, 20-23   |
| Y         | US 4,715,381 A (MOBERG) 29 December 1987 (29.12.1987) entire document                         | 10, 11                |
| Y         | US 2015/0313512 A1 (CHECKPOINT SURGICAL, LLC) 05 November 2015 (05.11.2015) entire document   | 12                    |
| A         | US 7,848,812 B2 (CROWLEY et al) 07 December 2010 (07.12.2010) entire document                 | 1-25                  |
| A         | US 2014/0073985 A1 (SAKAI et al) 13 March 2014 (13.03.2014) entire document                   | 1-25                  |

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