Title: SYSTEMS AND METHODS INTRA-OPERA TIVE STIMULATION

Abstract: Improved assemblies, systems, and methods provide safeguarding against tissue injury during surgical procedures and/or identify nerve damage occurring prior to surgery and/or verify range of motion or attributes of muscle contraction during reconstructive surgery. A stimulation control device may incorporate a range of low and high intensity stimulation to provide a stimulation and evaluation of both nerves and muscles. A stimulation control device is removably coupled to a surgical device or is imbedded within the medical device to provide a stimulation and treatment medical device. A disposable hand held stimulation system includes an operative element extending from the housing, the housing includes an operative element adjustment portion and a visual indication to provide feedback or status to the user.
Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

A CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61N 1/00 (2008 04)
USPC - 607/2

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)
USPC 607/2

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

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (PGPB, USPT, EPAB, JPAB), Google Scholar, Google Patents

Keywords: Tissue, stimulate, electric, nerve, adjust, electrode, probe, flexible, base, handle, housing, nose, cone, visual, indicator, reflective, LED, light, emitting, diode, duration, amplitude

C DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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<tbody>
<tr>
<td>Y</td>
<td>US 2006/0200219 A1 (THROPE et al.) 07 September 2006 (07 09 2006) para [0019], [0022]-[0027], [0030]-[0034], [0036], [0038], [0045]-[0047], [0051], Fig 1, 2a, 2b, 4</td>
<td>1-32</td>
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D Further documents are listed in the continuation of Box C

* Special document defining the general state of the art which is not considered to be of particular relevance

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Date of the actual completion of the international search
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