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(54) Title: TISSUE-STIMULATING METHOD USING SPATIAL SCANNING OF ELECTRIC AND MAGNETIC FIELDS

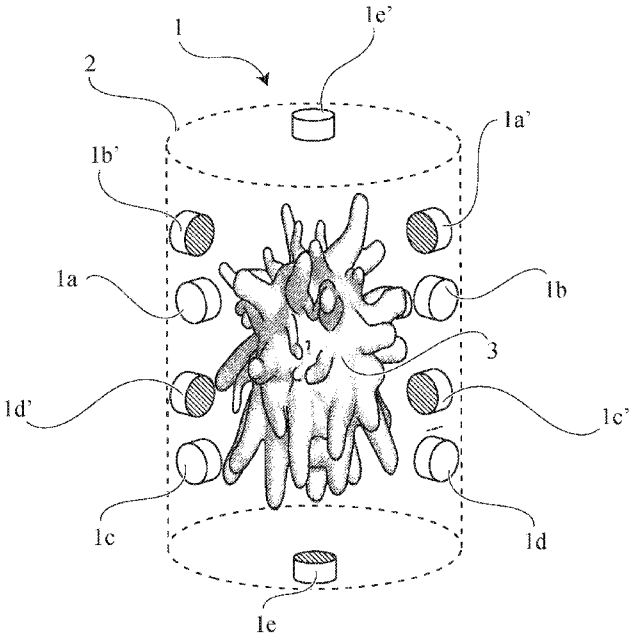


FIG. 1

(57) Abstract: This disclosure refers to methods and devices for electromagnetic stimulation of tissues. Some methods comprising the steps: a) disposing an arrangement of electromagnetic transducers encompassing a volume containing a tissue; b) applying an electromagnetic field stimulus to a tissue through the arrangement of electromagnetic transducers according to an activation pattern for a period of time; wherein the activation pattern allows to vary the intensity and direction of the electromagnetic field vector. Some devices comprising: a computing unit, an external power source connected to the computing unit; a decoupling circuit connected to the external power source and to the computing unit; a switching circuit connected to the external power source, to the decoupling circuit and to the computing unit; an arrangement of electromagnetic transducers connected to the computing unit and to the de switching circuit; wherein the computing unit implements the methods of the disclosure for electromagnetic stimulation of tissues.

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[Continued on next page]

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Declarations under Rule 4.17:

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— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
— *of inventorship (Rule 4.17(iv))*

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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
See Search History document

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010/0152817 A1 (GILLBE, I) 17 June 2010; figures 1-3, 8-9B, 11-13, 16-18; paragraphs [0080, 0113-0116, 0133, 0134, 0148-0154, 0167, 0169, 0177-0181, 0187-0191, 0200, 0211, 0242].	1-19
A	US 2017/0209708 A1 (BTL HOLDINGS LIMITED) 27 July 2017, entire document.	1-19
A	US 2013/0090712 A1 (POPOVIC, M. et al.) 11 April 2013; entire document.	1-19
A	US 2012/0226200 A1 (WAGNER, T et al.) 06 September 2012, entire document.	1-19

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