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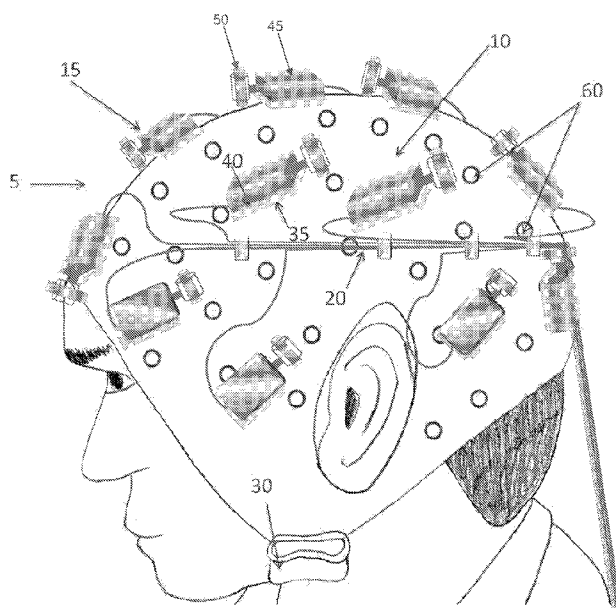


FIG. 1

(57) Abstract: An Apparatus for applying Transcranial Mag-
netic Stimulation (TMS) to a patient, comprising a head
mount for disposition on the head of a patient and a plurality
of magnet assemblies for releasable mounting on the head
mount, wherein each of the magnet assemblies comprises a
magnet for selectively providing a rapidly changing magnetic
field capable of inducing weak electric currents in the brain of
a patient so as to modify the natural electrical activity of the
brain of the patient, wherein the number of magnet assem-
blies mounted on the head mount, their individual positioning
on the head mount, and their selective provision of a rapidly
changing magnetic field is selected so as to allow the spatial,
strength and temporal characteristics of the magnetic field to
be custom tailored for each patient, whereby to provide pa-
tient-specific TMS therapy, to assist in diagnosis or to map
out brain function in neuroscience research.

INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61 N 2/04 (2012.01) USPC - 600/14 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) IPC(8): A61N 2/04 (2012.01) USPC: 600/14 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 600/14, 600/13, 600/9; CPC: A61N 2/12, A61N 2/02, A61N 2/006, A61N 2/004, A61N 2/06 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PatBase, Google Search; Search Terms Used: transcranial "magnet* stimulat* kit* eeg electrode * spin * rotat * velcro		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X		1,3,12-14,16,25-27,30
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Y	US 2010/0210894 A1 (Pascual-Leone et al.) 19 August 2010 (19.08.2010) entire document, especially figs. 1-3 and para [0038]-[0041]	2,4-1 1,15,17-24,28,29,31
Y	US 201 1/0105826 A1 (Mishelevich et al.) 05 May 201 1 (05.05.201 1) entire document, especially figs. 2-4 and para [0047]	2,6-1 1,15,19-24,28,31
Y	US 201 1/0270345 A1 (Johnston et al.) 03 November 201 1 (03.11.201 1) para [0053]	4, 5, 17,18
Y	US 201 1/0184223 A1 (Peterchev et al.) 28 July 201 1 (28.07.201 1) para [0024]-[0025]	29
A	US 201 1/0112427 A1 (Phillips et al.) 12 May 201 1 (12.05.201 1) figs. 1-4	1-31
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