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[Continued on next page]

(54) **Title:** TRANSCRANIAL MAGNETIC STIMULATION FOR ALTERING SUSCEPTIBILITY OF TISSUE TO PHARMA-
CEUTICALS AND RADIATION

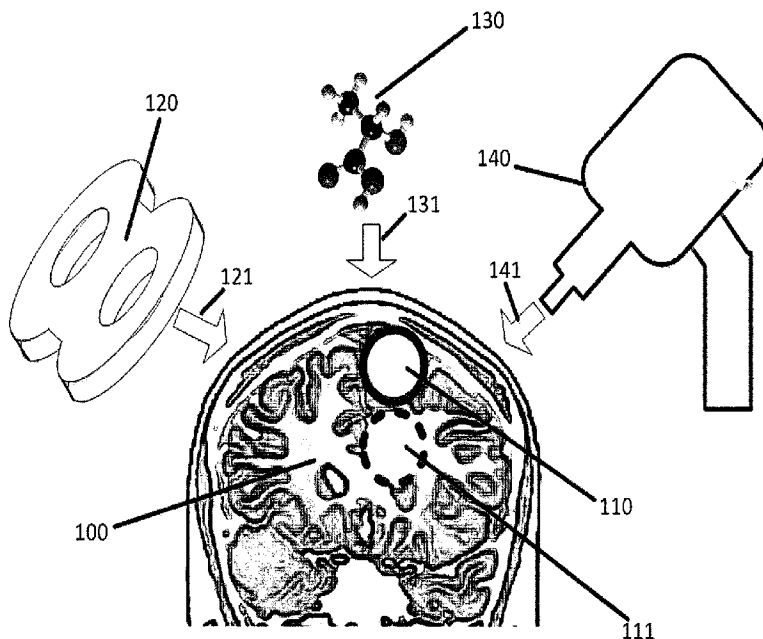


FIGURE 1

(57) **Abstract:** Described herein are meth-
ods for modulating the susceptibility of one or
more target or tissue regions, and particu-
larly one or more brain regions, to a ther-
apeutic agent such as a drug, immune
agent, compound, radiation, etc. In particu-
lar, the methods and systems described
herein may include magnetic stimulation
(including transcranial magnetic stimula-
tion) of target or non-target regions to
modulate the susceptibility of the one or
more target or tissue regions to a therapeu-
tic agent.

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INTERNATIONAL SEARCH REPORT

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PCT/US2011/044121**A. CLASSIFICATION OF SUBJECT MATTER***A61N 5/00(2006.01)i, A61N 2/02(2006.01)i, A61M 5/172(2006.01)i*

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)

A61N 5/00; A61N 2/04; A61B 5/04; A61B 5/05; A61B 18/00; A61N 1/00; A61N 2/00; A61N 2/02

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0033297 A1 (JOHN W. SLIWA) 07 February 2008 See claims 1, 3, 14, 65; paragraph [0022]; fig. 1.	1-8
A	US 2009-0156884 A1 (SCHNEIDER M. BRET et al.) 18 June 2009 See claim 1; paragraphs [0011]-[0013], [0044]; figs. 1A-1B.	1-8
A	WO 2009-143503 A2 (NEOSTIM, INC. et al.) 26 November 2009 See claims 1, 15; paragraphs [0039]-[0040]; figs. 2A, 5B.	1-8
A	US 2005-0228209 A1 (M. SCHNEIDER et al.) 13 October 2005 See claims 1, 12; paragraphs [0010], [0054]; fig. 2.	1-8
A	US 2003-0023159 A1 (PHILIPP TANNER) 30 January 2003 See claims 1, 12; paragraphs [0023], [0028].	1-8

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

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