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(71) Applicant (for all designated States except US): **TARGIA PHARMACEUTICALS** [IL/IL]; Mishol Hama-galit, 17, 97277 Jerusalem (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **GLOZMAN, Sabina** [IL/IL]; Aliyah Street, 26, Naharya (IL).

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(54) Title: CNS PHARMACEUTICAL COMPOSITIONS AND METHODS OF USE

(57) Abstract: The present invention is directed to CNS pharmaceutical compositions and methods of use. The pharmaceutical compositions comprise a CNS active agent and preferably at least two vagal neuromodulators, one of which is a mechanoreceptor stimulator. The vagal neuromodulators are preferably in an amount sufficient to reduce a side-effect of the CNS active agent. The invention further encompasses a method of reducing CNS active agent side-effects. The method typically comprises administering the CNS active agent to a patient; and administering at least two vagal neuromodulators to the patient so that at least one neuro-modulator is administered or released after the CNS active agent is administered or released.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A01N 59/16 (2009.01)

USPC - 424/646

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 - 424/646

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 424/646,85.2;514/12,4,546,547,616

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

PubWEST (PGPB, USPB, EPAB, JPAB); Google, PubMed

Tmax, vagal, neuromodulator, guaifenesin, drug, combination, CNS, opiate, antidepressant, adverse, side effect, xanthine, nociceptor

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2008/0020018 A1 (Moodley et al.) 24 January 2008 (24.01.2008) Especially para [0001], [0004], [0005], [0034], [0049], [0082], [0083], [0268], [0318], [0408], [0421], [0450].	1-47
Y	US 2005/0008690 A1 (Miller) 13 January 2005 (13.01.2005) Especially para [0032], [0038], [0295].	1-47
Y	US 2005/0031651 A1 (Gervais et al.) 10 February 2005 (10.02.2005) Especially para [0066], [0443], [0467].	10-12, 22-23, 43-45
Y	US 2005/0267009 A1 (Deagle) 01 December 2005 (01.12.2005) Especially para [0109].	13, 19, 20

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Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300

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