Abstract:

A61K 31/4164 (2006.01)

A method of treating migraine in a subject, comprising administering to the subject a composition that comprises a superselective subclass of alpha-2 adrenergic receptor agonists, that have a binding affinity of 900 fold or greater for alpha-2 over alpha-1 adrenergic receptors, such as, for example, dexametomidine.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 31/41 64 (2013.01)
USPC - 514/396

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC(8): A61K 31/4164 (2013.01)
USPC: 514/396

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 514/816; 424/434 (text search) Find search terms below

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST, Google Scholar, PatBase
alpha-2 adrenergic, Sadrenergic, agonist, desmedetomidine, nasal, intranasal, composition, formulation, administ$, oralS, poloxamer, migraine, pain, treats

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>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 2011/0257188 A1 (HORN) 20 October 2011 (20.10.2011) para [0009], [0028], [0029], [0031], [0061], [0064], [0065]</td>
<td>1-5</td>
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<td></td>
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<td>6 and 9</td>
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<tr>
<td>Y</td>
<td>US 201 1/0021588 A1 (HENWOOD et al.) 27 January 2011 (27.01.2011) para [0004], [0006], [0030], [0042], [0045]</td>
<td>7 and 10</td>
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<td>8-9</td>
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<td>Y</td>
<td>US 2009/022061 A1 (DARGELAS et al.) 03 September 2009 (03.09.2009) para [0001], [0046], [0061], [0186], [0226]</td>
<td>8</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:
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  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
  "&" document member of the same patent family

Date of the actual completion of the international search: 14 April 2013 (14.04.2013)
Date of mailing of the international search report: 13 MAY 2013

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PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)