Title: HERBAL COMPOSITION FOR TREATMENT OF HYPERTENSION AND ASSOCIATED DISORDERS

Abstract: The present invention in an embodiment provides a herbal composition used for treatment of hypertension and associated disorders, comprising at least a part of Rauvolfia Serpentina, a part of Nardostachys Jatamansi, a part of Allium Sativam, a part of Ocimum Sanctum, a part of Curcumin Longa, a part of Emblica Officinalis, a part of Azadirachta Indica, a part of Trigonella Foenum Graecum, a part of Zingiber Officinale, a part of Tribulus Terrestris, a part of Withania Somnifera, a part of Pueraria Tuberosa, a part of Terminalia Arjuna, a part of Centella Asiatica, a part of Menta Arvensis Marsh Mint, a part of Foeniculum Vulgare, a part of Andrographis Paniculate, a part of Cichorium Intybus, a part of Myrtus Caryophyllus, a part of Cuminum Cyminum, and a part of Aloe Indica to which parts of one or more additional complimentary herb may be optionally added.
**INTERNATIONAL SEARCH REPORT**

International application No.
PCT/IB2014/065821

**A. CLASSIFICATION OF SUBJECT MATTER**

A61K36/00 Version=2014.01

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)

A61K36/00

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

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

TKDL, Orbit and Indian patent office internal database

**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>
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<tbody>
<tr>
<td>Y</td>
<td>Mi-Young Song et al: &quot;Nardostachys jatamansi extract protects against cytokine-induced -cell damage and streptozotocin-induced diabetes&quot;; World Journal of Gastroenterology; 2010 Jul 14; 16(26) : 3249-3257. Introduction section</td>
<td>1, 3-10</td>
</tr>
<tr>
<td>Y</td>
<td>Gupta SK: &quot;Validation of traditional claim of Tulsi, Ocimum sanctum Linn, as a medicinal plant&quot;; Indian Journal of Experimental Biology; 2002 Jul; 40 (7) :765-73. Page 766</td>
<td>1, 3-10</td>
</tr>
</tbody>
</table>

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

**Date of the actual completion of the international search**  18-02-2015

**Date of mailing of the international search report**  18-02-2015

**Name and mailing address of the ISA/Indian Patent Office**  Plot No. 32, Sector 14, Dwarka, New Delhi-110075

**Facsimile No.**  Authorized officer

**Telephone No.**  Harish Raj +91-1125300200

Form PCT/ISA/210 (second sheet) (January 2015)
### Box No. II Observations where certain **claims** were found **unsearchable** (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
   - because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.: 2
   - because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
     - Claim 2 mentions 'the composition further comprises a part of one or more additional complimentary herb', which is firstly indefinite and
     - secondly also not defined in complete specification. Hence a

3. ☐ Claims Nos.:
   - because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box No. III Observations where **unity of invention** is **lacking** (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.
<table>
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<tr>
<td>Jayadev Raju et al: &quot;Trigonella foenum graecum (fenugreek) seed powder improves glucose homeostasis in alloxan diabetic rat tissues by reversing the altered glycolytic, gluconeogenic and lipogenic enzymes&quot;; Molecular and Cellular Biochemistry August 2001, Volume 224, Issue 1-2, pp 45-51. Abstract</td>
<td>1, 3-10</td>
</tr>
<tr>
<td>Tarique Anwer et al: &quot;Effect of Withania somnifera on Insulin Sensitivity in Non-Insulin-Dependent Diabetes Mellitus Rats&quot;; Basic &amp; Clinical Pharmacology &amp; Toxicology Volume 102, Issue 6, pages 498-503, June 2008 Abstract, Introduction</td>
<td>1, 3-10</td>
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<tr>
<td>Varsha Sharma et al: &quot;Increased puerarin biosynthesis during in vitro shoot formation in Pueraria tuberosa grown in growtek bioreactor &quot;</td>
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</table>
Continuation of documents considered to be relevant

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<td>biosynthesis during in vitro shoot formation in Pueraria tuberosa grown in growtek bioreactor with aeration&quot; Physiology and Molecular Biology of Plants; March 2011, Volume 17, Issue 1, pp 87-92. Introduction section</td>
<td></td>
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</tbody>
</table>
| Y        | Sanae El Bardai et al: "Pharmacological Evidence of Hypotensive Activity of Marrubium Vulgare and Failed
Foeniculum Vulgare in Spontaneously Hypertensive Rat"; Clinical and Experimental Hypertension; 2001, Vol. 23, No. 4, Pages 329-343 Abstract


Surya Dhandapani et al: "Hypolipidemic effect of 1, 3-10 cuminum cyminum 1. on alloxan-induced diabetic

Abstract

Y WO2009001362A2 (Ascarit Ltd) 31 Dec 2008 Abstract, 1, 3-10 claims, pages 17-20

Y WO2004069262A1 (Kour Chand Jindal) 19 Aug 2004 1, 3-10 Pages 1-2

Y US6989160B2 (CSIR) 24 Jan 2006 Abstract 1, 3-10

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Knowledge Known Since: 1000 years (Source: http://www.tkdl.res.in) Entire document

Y              NA4/1523 Dawa Ziabetus: Knowledge Known Since: 100 1, 3-10
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Y              BS05/220 Adathodai Nei: Knowledge Known Since: 1, 3-10
1000 years (Source: http://www.tkdl.res.in) Entire document