Title: CUCURBITACIN GLUCOSIDES AND USE THEREOF IN TREATING CANCER

Abstract: The present invention relates to cucurbitacii glucosides isolated from Citrullus colocynthis and their synergistic effects on inhibiting growth of human cancer cells including the effects on cellular growth, cell cycle distribution, apoptosis and the expression of proteins involved in cell cycle regulation.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**
IPC: A61K 31/70 (2006.01), 31/7028 (2006.01), 31/704 (2006.01); A01N 45/00 (2006.01)

USPC: 514/26,25,23,27,536/5,4,1

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)
U.S.: 514/26,25,23,27,536/5,4,1

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

Electronic database consulted during the international search (name of database and, where practicable, search terms used)
STN DATABASE ONLINE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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<th>Category</th>
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<th>Relevant to claim No.</th>
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<td>Y</td>
<td>STN ABSTRACT: ACCESSION NO: 93062083 MEDLINE; DOCUMENT NO: PubMed ID: 1842011; TITLE: Evaluation of the purified fraction of Wilbrandia (c.f) verticillata for antitumor activity; AUTHOR: RAO et al. Memorias do Instituto Oswaldo Cruz, (1991) Vol. 86 Suppl 2, pages 43-5.</td>
<td>9, 10, 12, 13, 15-18, 20</td>
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**Further documents are listed in the continuation of Box C.**

**See patent family annex.**

**Date of the actual completion of the international search**
23 May 2008 (23.05.2008)

**Name and mailing address of the ISA/US**
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201

**Date of mailing of the international search report**
09 JUN 2008

**Authorizing officer**
Michael C. Henry

**Telephone No.** 703 308-1235
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<td>US 5,145,955 (ASWAL et al) 08 September 1992 (08.09.1992), see entire patent.</td>
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