Title: PHARMACEUTICAL COMPOSITIONS COMPRISING CANNABIS

Abstract: The present invention relates to an improved mode of administration for cannabis and its natural and synthetic derivatives. A pharmaceutical composition suitable for sublingual aerosol or spray delivery of cannabis is provided. The formulation may be dispensed using a pump spray or the formulation may include a propellant, such as butane, 1,1,1,2-tetrafluorethane (HFC-134a) or 1,1,2,3,3,3-heptafluoropropane (HFC-227). The term cannabis is used herein to refer to all physiologically active substances derived from the cannabis family of plants and synthetic cannabis analogues and derivatives, precursors, metabolites etc., or related substances having cannabis-like physiological effects.
A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K9/12 A61K31/352 A61K35/78

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)

IPC 7 A61K A61M B65D

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE

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>
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<td>MATTES RD ET AL: &quot;Effects of cannabinoids (marijuana) on taste intensity and hedonic ratings and salivary flow of adults.&quot; CHEMICAL SENSES, vol. 19, no. 2, 1994, pages 125-140, XP000984302 ISSN: 0379-864X page 127, last paragraph</td>
<td>1,23, 26-29, 48</td>
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<td>X</td>
<td>TASHKIN DP ET AL: &quot;Bronchial effect of aerosolized delta9-tetrahydrocannabinol in healthy and asthmatic patients&quot; AMERICAN REVIEW OF RESPIRATORY DISEASE, vol. 115, 1977, pages 57-65, XP000961016 page 58, right-hand column, paragraph 2</td>
<td>1,2, 8-10, 17, 18, 23, 24, 26-28, 32, 44, 45, 48, 66</td>
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Further documents are listed in the continuation of box C.

Patient family members are listed in annex.

* Special categories of cited documents:

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Date of the actual completion of the international search

10 September 2001

Date of mailing of the international search report

20/09/2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Epskamp, S.
## INTERNATIONAL SEARCH REPORT

### DOCUMENTS CONSIDERED TO BE RELEVANT

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<td>GB 2 337 040 A (BESPAK PLC) 10 November 1999 (1999-11-10) page 6, line 16 - line 19; figure 1</td>
<td>49-54, 56-57, 64-66</td>
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<td>X</td>
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<td>A</td>
<td>the whole document and especially page 2, line 12 - line 20 page 9, line 9 - line 14</td>
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1 March 2001 (2001-03-01)  
page 6, line 24 - page 7, line 12 examples | 1,8-11,  
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