

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P108939-PCT		FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/AU2019/050700	International filing date (<i>day/month/year</i>) 03 July 2019	(Earliest) Priority Date (<i>day/month/year</i>) 03 July 2018	
Applicant ZELDA THERAPEUTICS OPERATIONS PTY LTD			
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of 5 sheets. ☐ It is also accompanied by a copy of each prior art document cited in this report.			
1. Basis of the report a. With regard to the language, the international search was carried out on the basis of: ☒ The international application in the language in which it was filed. ☐ A translation of the international application into , which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)). b. ☐ This international search report has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)). c. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. 2. ☐ Certain claims were found unsearchable (See Box No. II). 3. ☐ Unity of invention is lacking (See Box No. III). 4. With regard to the title, ☒ the text is approved as submitted by the applicant. ☐ the text has been established by this Authority to read as follows: 5. With regard to the abstract, ☒ the text is approved as submitted by the applicant. ☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. ☐ as suggested by the applicant. ☐ as selected by this Authority, because the applicant failed to suggest a figure. ☐ as selected by this Authority, because this figure better characterizes the invention. b. ☐ none of the figures is to be published with the abstract.			

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2019/050700

A. CLASSIFICATION OF SUBJECT MATTER

A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61K 31/015 (2006.01) A61K 31/01 (2006.01) A61K 31/045 (2006.01)
A61P 25/04 (2006.01)

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)

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)

PATENW (EPOQUE); CAPLUS, EMBASE, MEDLINE, BIOSIS (STN); Keywords: delta-9-THC, delta-9-tetrahydrocannabinol, 1972-08-3, cannabidiol, CBD, 13956-29-1, mono-terpene, di-terpene, sesqui-terpene, myrcene, 123-35-3, alpha-terpinene, gamma-terpinene, 99-86-5, 99-85-4, linalool, 78-70-6, alpha-phellandrene, 99-83-2, camphene, 79-92-5, terpinolene, 586-62-9, rho-cymene, 99-87-6, cineole, 470-82-6, beta-caryophyllene, BCP, 87-44-5, limonene, 138-86-3, pinene, 80-56-8, 127-91-3, guaiol, 489-86-1, gurjunene, 489-40-7, ocimene, 13877-91-3, gamma-cadinene, 483-74-9, caryophyllene oxide, 1139-30-6, nerolidol, 7212-44-4, beta-farnesene, 77129-48-7, pain, analgesic, antinociceptive, and like terms

Patentscope, AUSPAT, NOSE, INTESS databases: Inventor and Applicant name searches – Zelda; Karelis

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	Documents are listed in the continuation of Box C	



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"D" document cited by the applicant in the international application	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"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
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 22 August 2019	Date of mailing of the international search report 22 August 2019
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA Email address: pct@ipaustalia.gov.au	Authorised officer Michael Grieve AUSTRALIAN PATENT OFFICE (ISO 9001 Quality Certified Service) Telephone No. +61262832267

INTERNATIONAL SEARCH REPORT		International application No.
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		PCT/AU2019/050700
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2016/0106705 A1 (UNITED CANNABIS CORP.) 21 April 2016 Claims 1 to 6, 17, 40, 49; paragraph [0005], [0012], [0013], [0016], [0023], [0027], [0031], [0063], [0067], [0068], [0078], [0082] to [0083]; Example 7	1 to 25A
X	US 2015/0313868 A1 (KOTZKER CONSULTING LLC) 05 November 2015 Claims 1, 2, 7, 12, 16, 19, 23; paragraphs [0041], [0043], [0048], [0052], [0061], [0068], [0076], [0081] to [0082], [0087], [0093], [0095], [0104], [0113], [0114], [0143]; Example 3	1 to 25A
X	CA 2952335 A1 (DELTA 9 GARDENING B.V., CA) 19 June 2017 paragraphs [0058], [0071]; Examples 1 to 4, 7, 10, 11, 12, 14, 16 to 19	1 to 25A
X	WO 2016/044370 A1 (INDIA GLOBALIZATION CAPITAL, INC.) 24 March 2016 Claims 1 to 6, 8 to 15; paragraphs [0008], [0011] to [0013], [0015], [0022]; Examples 1 to 3	1 to 25A
X	US 6949582 B1 (WALLACE, W.H.) 27 September 2005 Claims 1 and 5; Column 8 line 63 to Column 11 line 62; Examples	1 to 25A
P,X	WO 2018/222923 A1 (PHYTECS, INC.) 06 December 2018 Claims 40 to 41; [0008], [0024] to [0030], [0085], [0199] to [0200], [0214], [0223], [0239], [0253], [0313] to [0315], [0317], [0425]; Embodiments 63 and 80 to 81	1 to 10, 13 to 15, 17 to 18 and 25
P,X	WO 2019/089583 A1 (ENDOCANNA HEALTH, INC.) 09 May 2019 page 4 lines 7 to 8 and 32 to 33, page 6 lines 14 to 25, page 7 lines 3 to 5, page 8 lines 5 to 8, page 8 line 17 to page 9 line 2, page 13 lines 3 to 19, page 15 line 25 to page 16 line 4, page 20 lines 25 to 33, page 28 line 28 to page 29 line 33; Claims 1 to 32	1 to 10, 12 to 18 and 25

INTERNATIONAL SEARCH REPORT		International application No.	
Information on patent family members		PCT/AU2019/050700	
This Annex lists known patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.			
Patent Document/s Cited in Search Report		Patent Family Member/s	
Publication Number	Publication Date	Publication Number	Publication Date
US 2016/0106705 A1	21 April 2016	US 2016106705 A1	21 Apr 2016
		US 9730911 B2	15 Aug 2017
		AU 2015335997 A1	18 May 2017
		BR 112017008301 A2	19 Dec 2017
		CA 2965493 A1	28 Apr 2016
		CN 107205960 A	26 Sep 2017
		EA 201790880 A1	31 Aug 2017
		EP 3209312 A1	30 Aug 2017
		JP 2017535539 A	30 Nov 2017
		KR 20170080608 A	10 Jul 2017
		MX 2017005277 A	11 Jan 2018
		PH 12017500733 A1	09 Oct 2017
		US 2017360745 A1	21 Dec 2017
		WO 2016064987 A1	28 Apr 2016
US 2015/0313868 A1	05 November 2015	US 2015313868 A1	05 Nov 2015
		CA 2895805 A1	26 Jun 2014
		EP 2934512 A1	28 Oct 2015
		IL 238946 A	31 Mar 2019
		US 2018311205 A1	01 Nov 2018
		WO 2014100231 A1	26 Jun 2014
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WO 2016/044370 A1	24 March 2016	WO 2016044370 A1	24 Mar 2016
		CA 2961410 A1	24 Mar 2016
		EP 3193862 A1	26 Jul 2017
		US 2017027978 A1	02 Feb 2017
		US 10117891 B2	06 Nov 2018
		US 2019030062 A1	31 Jan 2019
US 6949582 B1	27 September 2005	US 6949582 B1	27 Sep 2005
WO 2018/222923 A1	06 December 2018	WO 2018222923 A1	06 Dec 2018
WO 2019/089583 A1	09 May 2019	WO 2019089583 A1	09 May 2019
		WO 2019089558 A1	09 May 2019
End of Annex			
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.			
Form PCT/ISA/210 (Family Annex)(July 2019)			

INTERNATIONAL SEARCH REPORT Information on patent family members		International application No. PCT/AU2019/050700	
This Annex lists known patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.			
Patent Document/s Cited in Search Report		Patent Family Member/s	
Publication Number	Publication Date	Publication Number	Publication Date
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001. Form PCT/ISA/210 (Family Annex)(July 2019)			