

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 30795	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2024/015156	International filing date (<i>day/month/year</i>) 9 February 2024 (09-02-2024)	(Earliest) Priority Date (<i>day/month/year</i>) 13 February 2023 (13-02-2023)
Applicant DICE ALPHA, INC.		

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 4 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/US2024/015156

A. CLASSIFICATION OF SUBJECT MATTER		
INV. A61P17/00 A61K31/4985 A61P19/00 A61P29/00 A61P37/00 C07D487/04		
ADD. 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) A61P A61K C07D		
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) EPO-Internal, WPI Data, CHEM ABS Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SABNIS RAM W.: "Imidazo[1,2-b]pyridazines as IL-17A Inhibitors for Treating Psoriasis, Rheumatoid Arthritis, and Multiple Sclerosis", ACS MEDICINAL CHEMISTRY LETTERS, vol. 12, no. 10, 13 September 2021 (2021-09-13), pages 1526-1527, XP055958394, US ISSN: 1948-5875, DOI: 10.1021/acsmchemlett.1c00470 the whole document -----	1 - 171
A	EP 3 943 495 A1 (LEO PHARMA AS [DK]) 26 January 2022 (2022-01-26) the whole document Compounds according to claim 10; claims 1-16 ----- - / - -	1 - 171
☒ 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 "E" earlier application or patent but published on or after the international filing date "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) "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 "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 "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 "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 15 May 2024		Date of mailing of the international search report 04/06/2024
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Goss, Ilaria

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2020/146194 A1 (LILLY CO ELI [US]) 16 July 2020 (2020-07-16) the whole document Examples, tables and claims -----	1 - 171
A	WO 2023/275301 A1 (UCB BIOPHARMA SRL [BE]) 5 January 2023 (2023-01-05) Examples and claims -----	1 - 171
A,P	WO 2024/017880 A1 (UCB BIOPHARMA SRL [BE]) 25 January 2024 (2024-01-25) the whole document claims 1-18 -----	1 - 171

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Information on patent family members

International application No

PCT/US2024/015156

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 3943495	A1	26-01-2022	NONE

WO 2020146194	A1	16-07-2020	AU 2020207196 A1 17-06-2021
		BR 112021011095 A2	31-08-2021
		CA 3125788 A1	16-07-2020
		CL 2021001720 A1	21-01-2022
		CN 113286795 A	20-08-2021
		CO 2021008776 A2	30-07-2021
		CR 20210357 A	01-09-2021
		DO P2021000132 A	22-07-2021
		EC SP21050201 A	31-08-2021
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		EP 4363421 A1	08-05-2024
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		WO 2023275301 A1	05-01-2023

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