

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SCARAB01PCT1	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2022/062469	International filing date (<i>day/month/year</i>) 19 December 2022 (19-12-2022)	(Earliest) Priority Date (<i>day/month/year</i>) 22 December 2021 (22-12-2021)
Applicant SCARAB SOLUTIONS LIMITED		

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. 1
- ☒ 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/IB2022/062469

A. CLASSIFICATION OF SUBJECT MATTER INV. A01M7/00 B05B9/08 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) A01M B65D B05B		
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		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2020/239664 A1 (BAYER AG [DE]) 3 December 2020 (2020-12-03)	1-6, 11-15, 18-23
Y	the whole document	9, 10, 16, 17
A	-----	7, 8
X	US 9 338 938 B2 (CASH MICHAEL F [US]; MAYFIELD DOUGLAS B [US] ET AL.) 17 May 2016 (2016-05-17)	1-6, 11, 12, 18-23
Y	column 2, lines 14-42	9, 10,
	column 3, lines 15-50, 58-60, 63-64	13-17
A	column 4, lines 29-34 column 5, lines 1-12 column 5, line 64 - column 6, line 21 figures -----	7, 8
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☒ 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		Date of mailing of the international search report
3 March 2023		14/03/2023
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 Schlichting, N

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International application No
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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.
X	DE 10 2013 109785 A1 (Koubachi AG [CH]) 12 March 2015 (2015-03-12)	1-6, 11, 12, 18-23
Y	paragraphs [0001] - [0008], [0010] - [0012], [0026], [0029] - [0032]	9, 10, 13-17
A	figures	7, 8

X	US 2021/072064 A1 (GREGORY MARK ALLEN [US] ET AL) 11 March 2021 (2021-03-11)	1, 5, 11-18, 22
Y	paragraphs [0002] - [0005], [0007] - [0016], [0020] - [0024], [0026] - [0029], [0043] - [0052], [0062] -	2-4, 6, 13-17, 19-21, 23
A	[0068], [0070] figures	7, 8

X	US 9 788 536 B1 (DIXON JEREMY D [US]) 17 October 2017 (2017-10-17)	1, 5, 6, 9-12, 18, 22
Y	column 1, lines 6-13 column 2, lines 6-15, 35-45	2-4, 19-21, 23
A	column 2, line 58 - column 3, line 16 column 3, lines 36-46, 59-64 column 4, lines 21-26 figures	7, 8

X	US 11 029 180 B2 (CRAIG COREY [US]) 8 June 2021 (2021-06-08)	1, 5, 6, 11-18
Y	the whole document	2-4, 9, 10, 19-21, 23
A		7, 8

X	EP 3 348 329 A1 (BAYER CROPSCIENCE AG [DE]) 18 July 2018 (2018-07-18)	1-5, 11, 12, 18-22
Y	paragraphs [0001], [0005], [0006], [0020] - [0026], [0033], [0038], [0040]	6, 13-17, 23
A	- [0043], [0045], [0046], [0048] - [0067], [0070] - [0073], [0076], [0077], [0079] figures	7, 8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2022/062469

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2020239664 A1	03-12-2020	CN 113873881 A EP 3975713 A1 US 2022232815 A1 WO 2020239664 A1	31-12-2021 06-04-2022 28-07-2022 03-12-2020
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US 9788536 B1	17-10-2017	NONE	
US 11029180 B2	08-06-2021	NONE	
EP 3348329 A1	18-07-2018	NONE	