

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PCTINMO20-01	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2020/053120	International filing date (<i>day/month/year</i>) 2 April 2020 (02-04-2020)	(Earliest) Priority Date (<i>day/month/year</i>) 4 April 2019 (04-04-2019)
Applicant INMOLECULE INTERNATIONAL 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 43.6**bis**(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. 4
☒ 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/IB2020/053120

A. CLASSIFICATION OF SUBJECT MATTER
INV. A01N59/16 A01P1/00
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)
A01N

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 3 012 225 A1 (INMOLECULE INTERNAT LTD [GB]) 27 April 2016 (2016-04-27) paragraphs [0009], [0056] -----	1-24
X	CN 102 077 865 B (UNIV SOUTH CHINA AGRICULT) 4 December 2013 (2013-12-04) abstract -----	1,4
X	WO 2009/046081 A2 (3M INNOVATIVE PROPERTIES CO [US]; KSHIRSAGAR MANJIRI T [US] ET AL.) 9 April 2009 (2009-04-09) pages 13-17 ----- -/-	1,2,13, 15,16



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

17 June 2020

Date of mailing of the international search report

29/06/2020

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2020/053120

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ALLAHVERDIYEV ET AL: "Coping With Antibiotic Resistance: Combining Nanopartides With Antibiotics And Other Antimicrobial Agents", EXPERT REVIEW OF ANTI-INFECTIVE THERAPY, FUTURE DRUGS, LONDON, GB, vol. 9, no. 11, 1 November 2011 (2011-11-01), pages 1035-1052, XP008175696, ISSN: 1478-7210, DOI: 10.1586/ERI.11.121 pages 1041-104 -----	1-24

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2020/053120

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 3012225	A1	27-04-2016	AR 096661 A1 27-01-2016
		AU 2014281904 A1 18-02-2016	
		BR 112015031884 A2 25-07-2017	
		CA 2916216 A1 24-12-2014	
		CL 2015003674 A1 19-08-2016	
		CN 105517956 A 20-04-2016	
		CR 20160028 A 30-03-2016	
		CU 20150182 A7 28-10-2016	
		EA 201690030 A1 31-10-2016	
		EP 3012225 A1 27-04-2016	
		HK 1217099 A1 23-12-2016	
		JP 6625051 B2 25-12-2019	
		JP 2016530222 A 29-09-2016	
		KR 20160034299 A 29-03-2016	
		MA 38707 A1 29-09-2017	
		MX 339086 B 09-05-2016	
		PH 12015502838 A1 21-03-2016	
		SG 11201510528Y A 28-01-2016	
		US 2016143981 A1 26-05-2016	
		UY 35623 A 30-01-2015	
		WO 2014204290 A1 24-12-2014	
		ZA 201509284 B 27-09-2017	

CN 102077865	B	04-12-2013	NONE

WO 2009046081	A2	09-04-2009	AT 510455 T 15-06-2011
		BR PI0817416 A2 07-10-2014	
		CN 101820766 A 01-09-2010	
		EP 2214493 A2 11-08-2010	
		JP 5451622 B2 26-03-2014	
		JP 2010540651 A 24-12-2010	
		US 2010247592 A1 30-09-2010	
		WO 2009046081 A2 09-04-2009	
