

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 171308-00760	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2019/048091	International filing date (<i>day/month/year</i>) 26 August 2019 (26-08-2019)	(Earliest) Priority Date (<i>day/month/year</i>) 31 August 2018 (31-08-2018)
Applicant DOW GLOBAL TECHNOLOGIES LLC		

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 3 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. _____
☐ 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/US2019/048091

A. CLASSIFICATION OF SUBJECT MATTER

INV. C08L23/08 D01F8/06 C08K3/22
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)

D01F C08K C08L

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, 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.
Y	EP 2 221 399 A1 (NOVEKO TRADING 2008 LLC [HU]) 25 August 2010 (2010-08-25) paragraphs [0001], [0015] claim 10	1-15
Y	----- WO 2006/011926 A1 (CRYOVAC INC [US]; SPEER DREW V [US] ET AL.) 2 February 2006 (2006-02-02) page 8, lines 22,27,29 page 9, line 1 page 30, lines 12-14 page 30; table 8	1-15
Y	----- WO 2017/093541 A1 (CRYOVAC INC [US]; SPIGAROLI ROMANO [IT]; STAFYLA EIRINI [IT]) 8 June 2017 (2017-06-08) page 15, lines 10-11,30-31 tables 2,6-8 -----	1-15



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

11 November 2019

Date of mailing of the international search report

20/11/2019

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

Behm, Sonja

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2019/048091

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 2221399	A1	25-08-2010	
		AU 2007361262 A1	14-05-2009
		BR PI0722265 A2	22-04-2014
		CA 2705217 A1	14-05-2009
		CN 101855393 A	06-10-2010
		EA 201000586 A1	29-10-2010
		EP 2221399 A1	25-08-2010
		IL 205229 A	28-02-2013
		JP 5520826 B2	11-06-2014
		JP 2011500972 A	06-01-2011
		KR 20100112549 A	19-10-2010
		MA 31897 B1	01-12-2010
		NZ 585145 A	28-10-2011
		TN 2010000164 A1	11-11-2011
		US 2010221969 A1	02-09-2010
		WO 2009059457 A1	14-05-2009

WO 2006011926	A1	02-02-2006	
		AT 466494 T	15-05-2010
		AU 2005267550 A1	02-02-2006
		CA 2571173 A1	02-02-2006
		EP 1773140 A1	18-04-2007
		NZ 552053 A	26-03-2010
		US 2005287318 A1	29-12-2005
		US 2007210281 A1	13-09-2007
		US 2010300905 A1	02-12-2010
		US 2013164467 A1	27-06-2013
		WO 2006011926 A1	02-02-2006

WO 2017093541	A1	08-06-2017	
		AU 2016363608 A1	17-05-2018
		BR 112018009707 A2	06-11-2018
		CN 108367551 A	03-08-2018
		EP 3383651 A1	10-10-2018
		US 2018362232 A1	20-12-2018
		WO 2017093541 A1	08-06-2017
