

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 80960-WO-ORG-X1	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2016/081167	International filing date (<i>day/month/year</i>) 15 December 2016 (15-12-2016)	(Earliest) Priority Date (<i>day/month/year</i>) 22 December 2015 (22-12-2015)
Applicant SYNGENTA PARTICIPATIONS AG		

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. _____
☐ 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

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International application No
PCT/EP2016/081167

A. CLASSIFICATION OF SUBJECT MATTER		
INV.	A01N43/56	A01N53/14 A01N25/00 A01P7/02 A01P7/04
ADD.	A01N53/00	
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, 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.
X	WO 2014/122083 A1 (BAYER CROPSCIENCE AG [DE]) 14 August 2014 (2014-08-14) cited in the application	1-14
Y	page 1, lines 2-4 page 1, line 22 - page 4, line 10 pages 82-101; table 3; compounds Ic-2, Ic-4 claims 1, 7-10, 12-13	1-14
A	----- WO 2015/150442 A1 (BAYER CROPSCIENCE AG [DE]) 8 October 2015 (2015-10-08) cited in the application page 1, lines 2-4 page 1, line 18 - page 5, line 4 ----- -/-	1-14
☒ 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 6 February 2017		Date of mailing of the international search report 20/02/2017
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 Hateley, Martin

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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.
Y	WO 2010/051926 A2 (BAYER CROPS SCIENCE AG [DE]; MAUE MICHAEL [DE]; ADEL T ISABELLE [DE]; GIE) 14 May 2010 (2010-05-14) cited in the application page 1, lines 2-4 page 1, line 22 - page 6, line 5 page 143; table 6; compounds ik-236-ik247, ik-242 claims 1, 7-10, 12-14 -----	1-14
A	WO 2012/107434 A1 (SYNGENTA PARTICIPATIONS AG [CH]; JUNG PIERRE JOSEPH MARCEL [CH]; HUETE) 16 August 2012 (2012-08-16) cited in the application page 1, line 3 - page 3, line 3 pages 109-120; table A -----	1-14

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Information on patent family members

International application No

PCT/EP2016/081167

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2014122083 A1	14-08-2014	AU 2014214140 A1 CA 2900029 A1 CN 105073735 A CR 20150392 A DO P2015000177 A EA 201591452 A1 EP 2953942 A1 JP 2016511239 A KR 20150116439 A PH 12015501723 A1 TW 201518280 A US 2015353500 A1 UY 35309 A WO 2014122083 A1	20-08-2015 14-08-2014 18-11-2015 26-11-2015 30-11-2015 29-02-2016 16-12-2015 14-04-2016 15-10-2015 09-11-2015 16-05-2015 10-12-2015 29-08-2014 14-08-2014
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WO 2010051926 A2	14-05-2010	AR 074023 A1 AU 2009313134 A1 CA 2742435 A1 CN 102317263 A CR 20110233 A DO P2011000123 A EC SP11011024 A EP 2184273 A1 EP 2352723 A2 JP 5911725 B2 JP 2012507482 A KR 20110082181 A NZ 592596 A RU 2011122534 A SV 2011003894 A TW 201029573 A US 2011301181 A1 US 2015099766 A1 UY 32223 A WO 2010051926 A2 ZA 201103225 B	15-12-2010 14-05-2010 14-05-2010 11-01-2012 12-09-2011 15-10-2011 30-06-2011 12-05-2010 10-08-2011 27-04-2016 29-03-2012 18-07-2011 31-05-2013 20-12-2012 29-08-2011 16-08-2010 08-12-2011 09-04-2015 31-05-2010 14-05-2010 25-07-2012
WO 2012107434 A1	16-08-2012	AR 085318 A1 BR 112013020213 A2 CA 2826059 A1 CN 103354811 A EA 201300894 A1 EP 2673270 A1 KR 20140051835 A UY 33895 A WO 2012107434 A1	25-09-2013 02-08-2016 16-08-2012 16-10-2013 30-01-2014 18-12-2013 02-05-2014 28-09-2012 16-08-2012