

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference BCS184005 WO	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2019/067824	International filing date (<i>day/month/year</i>) 3 July 2019 (03-07-2019)	(Earliest) Priority Date (<i>day/month/year</i>) 5 July 2018 (05-07-2018)
Applicant BAYER AKTIENGESELLSCHAFT		

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:

SUBSTITUTED THIOPHENECARBOXAMIDES AND ANALOGUES AS ANTIBACTERIALS AGENTS

5. With regard to the **abstract**,

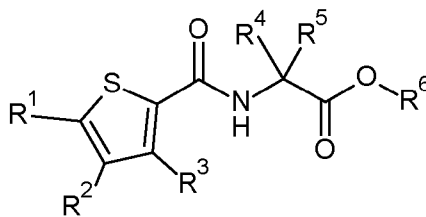
- ☐ the text is approved as submitted by the applicant
☒ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

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

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The present disclosure relates to substituted thiophene carboxamides and analogues thereof of formula (I) that may be used for protecting plants from bacterial diseases, in particular from bacterial diseases caused by bacteria belonging to the genus *Xanthomonas*.



(I)

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2019/067824

A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D333/38 A01N43/10 A01N43/28 C07D413/04 A01P1/00
C07D333/40

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)

C07D A01N A01P

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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 450 355 A1 (DEGUSSA [DE]) 9 October 1991 (1991-10-09) claims 1-10 page 32; examples 96-97 page 31; examples 92, 93 page 34; examples 6-7 page 2, lines 3-6 page 5, line 44 - page 7, line 2 -----	1-15
A	WO 2004/024692 A1 (BAYER CROPSCIENCE AG [DE]; KRUEGER BERND-WIELAND [DE]; ASSMANN LUTZ [D] 25 March 2004 (2004-03-25) cited in the application claims 1-8 page 1, lines 4-6 page 23, lines 1-4 page 46; example 5 page 47; example 6 page 53; example 44 -----	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

29 July 2019

Date of mailing of the international search report

09/08/2019

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

Marzi, Elena

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2019/067824

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0450355	A1	09-10-1991	AT 126224 T 15-08-1995
		DE 4011172 A1 10-10-1991	
		EP 0450355 A1 09-10-1991	
		ES 2078371 T3 16-12-1995	
		US 5534541 A 09-07-1996	

WO 2004024692	A1	25-03-2004	AU 2003255454 A1 30-04-2004
		DE 10239481 A1 04-03-2004	
		WO 2004024692 A1 25-03-2004	
