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— of inventorship (Rule 4.17(iv))

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(54) Title: AGRICULTURAL CHEMICALS

(57) Abstract: The present invention relates to pyrazole and imidazole compounds which are of use in the field of agriculture as fungicides.

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2015/052957

A. CLASSIFICATION OF SUBJECT MATTER

INV. A01N43/50 A01N43/56 C07D233/00 A01P3/00
 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 C07D

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	WO 2012/044650 A1 (DU PONT [US]; LONG JEFFREY KEITH [US]; BEREZNAK JAMES FRANCIS [US]; KA) 5 April 2012 (2012-04-05) page 1, line 15 - page 3, line 32 page 75 - page 88 -----	1,5-18
X	WO 2012/031061 A2 (DU PONT [US]; LONG JEFFREY KEITH [US]; GREGORY VANN [US]; GUTTERIDGE S) 8 March 2012 (2012-03-08) page 1, line 7 - page 3, line 5 page 103 - page 112 -----	1-18
A	WO 2005/095350 A1 (AMGEN SF LLC [US]; GOTO HIROYUKI [JP]; KAKUTANI MAKOTO [JP]; NISHIU JU) 13 October 2005 (2005-10-13) paragraphs [0124], [0127] ----- -/--	1,5-18

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

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Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2015/052957

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

2-4(completely); 1, 5-18(partially)

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2015/052957

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2014/288074 A1 (TAGGI ANDREW EDMUND [US] ET AL) 25 September 2014 (2014-09-25) paragraphs [0004] - [0060] table 2. A	1,5-18
A	----- US 2005/272793 A1 (GOTO HIROYUKI [JP] ET AL) 8 December 2005 (2005-12-08) examples 1.1-2.45	1-18
A	----- DATABASE CAPLUS, [Online] 10 July 2002 (2002-07-10), NAKATSUKA MASASHI ET AL: "Pyrroles and pharmaceutical compositions containing them for treatment of autoimmune diseases", XP002553047, retrieved from CAPLUS Database accession no. 2002-514291 abstract	1-18
A	----- WO 2005/009344 A2 (ELAN PHARM INC [US]; TUNG JAY S [US]; GAROFALO ALBERT [US]; PLEISS MIK) 3 February 2005 (2005-02-03) page 21; example 3 -----	1-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2015/052957

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 2-4(completely); 1, 5-18(partially)

A compound of formula (I') that is an unsaturated five-member ring structure comprising two N atoms, that are in position 1,2 or an agronomically acceptable salt or N-oxide thereof; a fungicidal composition comprising an effective and non-phytotoxic amount of an active compound of any one of claims 1 and 5 to 16; a method for controlling fungal diseases, the method comprising applying an agronomically effective and substantially non-phytotoxic quantity of a compound of any one of claims 1 and 5 to 16 to the seeds of the plants, to the plants themselves or to the area where it is intended that the plants will grow.

2. claims: 1, 5-18(all partially)

A compound of formula (I'') that is an unsaturated five-member ring structure comprising two N atoms, that are in position 1,3 or an agronomically acceptable salt or N-oxide thereof; a fungicidal composition comprising an effective and non-phytotoxic amount of an active compound of any one of claims 1 to 16; a method for controlling fungal diseases, the method comprising applying an agronomically effective and substantially non-phytotoxic quantity of a compound of any one of claims 1 to 16 to the seeds of the plants, to the plants themselves or to the area where it is intended that the plants will grow.

3. claims: 1, 5-18(all partially)

A compound of formula (II) or an agronomically acceptable salt or N-oxide thereof; a fungicidal composition comprising an effective and non-phytotoxic amount of an active compound of any one of claims 1 and 5 to 16; a method for controlling fungal diseases, the method comprising applying an agronomically effective and substantially non-phytotoxic quantity of a compound of any one of claims 1 and 5 to 16 to the seeds of the plants, to the plants themselves or to the area where it is intended that the plants will grow.
