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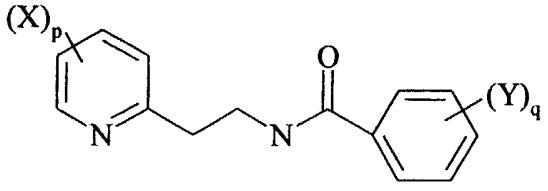
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(54) Title: NOVEL 2-PYRIDYLETHYLBENZAMIDE DERIVATIVE



(I)

(57) Abstract: Compound of general formula (I) in which p is an integer equal to 1, 2, 3 or 4; q is an integer equal to 1, 2, 3, 4 or 5; each substituent X is chosen, independently of the others, as being halogen, alkyl or haloalkyl, at least one of the substituents being a haloalkyl; each substituent Y is chosen, independently of the others, as being halogen, alkyl, alkenyl, alkynyl, haloalkyl, alkoxy, amino, phenoxy, alkylthio, dialkylamino, acyl, cyano, ester, hydroxy, aminoalkyl, benzyl, haloalkoxy, halosulphonyl, halothioalkyl, alkoxyalkenyl, alkylsulphonamide, nitro, alkylsulphonyl, phenylsulphonyl or benzylsulphonyl; as to the N-oxides of 2-pyridine thereof; with the exception of N-{2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]-ethyl}-2,6-dichlorobenzamide. Method for preparing the compound of general formula (I). Fungicidal composition comprising the compound of general formula (I). Method for treating phytopathogenic diseases.

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A. CLASSIFICATION OF SUBJECT MATTER
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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 practical, search terms used)
WPI Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01 11965 A (AVENTIS CROPSCIENCE GMBH ;BRIGGS GEOFFREY GOWER (FR); STEELE CHRIS) 22 February 2001 (2001-02-22) cited in the application * the entire document * ---	1-16
A	WO 99 42447 A (MOLONEY BRIAN ANTHONY ;SAVILLE STONES ELIZABETH ANNE (GB); AGREVO) 26 August 1999 (1999-08-26) * the entire document * ---	1-16
A	WO 96 17840 A (AGREVO UK LTD ;DOELLER UWE (DE); BRAUN PETER (DE); SACHSE BURKHARD) 13 June 1996 (1996-06-13) * the entire document * -----	1-16

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☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

International Application No
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0111965 A	22-02-2001	AU 7278500 A	13-03-2001
		BR 0013371 A	07-05-2002
		CN 1370047 T	18-09-2002
		WO 0111965 A1	22-02-2001
		EP 1204323 A1	15-05-2002
		JP 2003506465 T	18-02-2003
WO 9942447 A	26-08-1999	AU 751032 B2	08-08-2002
		AU 2527199 A	06-09-1999
		BR 9908007 A	30-01-2001
		CA 2319005 A1	26-08-1999
		CN 1291187 T	11-04-2001
		CZ 20002993 A3	14-11-2001
		EP 1056723 A1	06-12-2000
		WO 9942447 A1	26-08-1999
		HU 0100817 A2	30-07-2001
		JP 2002503723 T	05-02-2002
		NO 20004159 A	17-10-2000
		NZ 505954 A	20-12-2002
		PL 342376 A1	04-06-2001
		SI 20356 A	30-04-2001
		SK 12392000 A3	12-03-2001
		TR 200002395 T2	21-11-2000
		TR 200101071 T2	21-06-2002
		US 2003171410 A1	11-09-2003
		US 6503933 B1	07-01-2003
		ZA 9901292 A	13-09-1999
WO 9617840 A	13-06-1996	AU 4265596 A	26-06-1996
		WO 9617840 A1	13-06-1996