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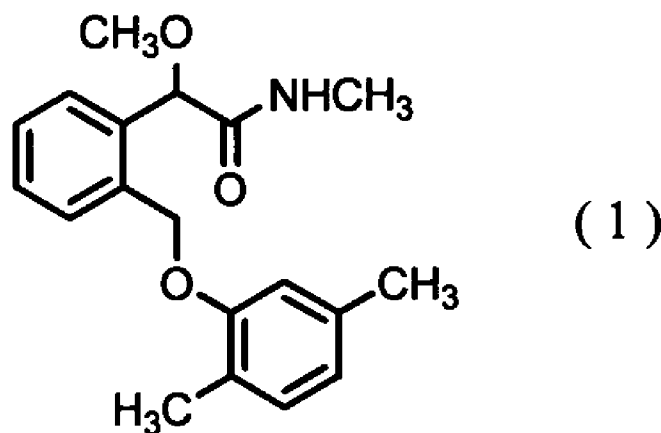
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(54) Title: PEST CONTROLLING COMPOSITION AND METHOD FOR CONTROLLING PESTS



(57) Abstract: An object of the present invention is to provide a pest controlling composition having an excellent control effect against pests. A pest controlling composition containing clothianidin, metconazole, metalaxyl and a compound represented by formula (1) has an excellent control effect against pests.

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

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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 practical, 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.
Y	ANDERSCH W AND SCHWARZ ET AL: "Clothianidin seed Treatment (Poncho)-the new technology for control of corn rootworms and secondary pest in US-corn production", CURRENT CANCER THERAPY REVIEWS, BENTHAM SCIENCE PUBLISHERS LTD., BUSSUM, NL, vol. 56, no. 1, 1 January 2003 (2003-01-01), pages 147-172, XP002411382, ISSN: 1573-3947 the whole document ----- -/-	1-9



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INTERNATIONAL SEARCH REPORT

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	SAMPSON A J ET AL: "EFFECT OF ADJUVANTS ON THE PERFORMANCE OF THE NEW CEREAL FUNGICIDE,METCONAZOLE. II FIELD TRIALS", PESTICIDE SCIENCE, ELSEVIER APPLIED SCIENCE PUBLISHER. BARKING, GB, vol. 45, no. 2, 1 October 1995 (1995-10-01), pages 161-166, XP000547271, ISSN: 0031-613X the whole document	1-9
Y	SALTER ET AL: "Peas - control of establishment pests and diseases using metalaxyl based seed coatings", CA, 1 January 1987 (1987-01-01), XP002409303, the whole document	1-9
Y	EP 0 754 672 A1 (SHIONOGI & CO [JP]) 22 January 1997 (1997-01-22) cited in the application the whole document	1-9
Y	WO 2005/063021 A1 (TOVARYSTVO Z OBMEZHENOJU VIDPO [UA]) 14 July 2005 (2005-07-14) the whole document	1-9
Y	KIM D-S: "Ethaboxam - its fungicidal activity as an oomycetes fungicide", PROCEEDINGS OF THE INTERNATIONAL WORKSHOP ON POTATO LATE BLIGHT.SOLVING A THREAT TO GLOBAL FOOD SECURITY, XX, XX, 15 October 2001 (2001-10-15), pages 4PG-S, XP003017428, the whole document	1-9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0754672	A1	22-01-1997	AT 196896 T 15-10-2000
		AU 711211 B2 07-10-1999	
		AU 2147395 A 30-10-1995	
		BR 9507106 A 18-11-1997	
		CN 1145061 A 12-03-1997	
		CN 1394846 A 05-02-2003	
		DE 69519087 D1 16-11-2000	
		DE 69519087 T2 22-03-2001	
		DK 754672 T3 13-11-2000	
		EP 0754672 A1 22-01-1997	
		ES 2152396 T3 01-02-2001	
		GR 3035209 T3 30-04-2001	
		JP 3875263 B2 31-01-2007	
		PT 754672 E 30-04-2001	
		US 5948819 A 07-09-1999	
		WO 9527693 A1 19-10-1995	

WO 2005063021	A1	14-07-2005	AU 2004308233 A1 14-07-2005
			CN 1933729 A 21-03-2007
			UA 66740 A 17-05-2004
			WO 2005063021 A1 14-07-2005
