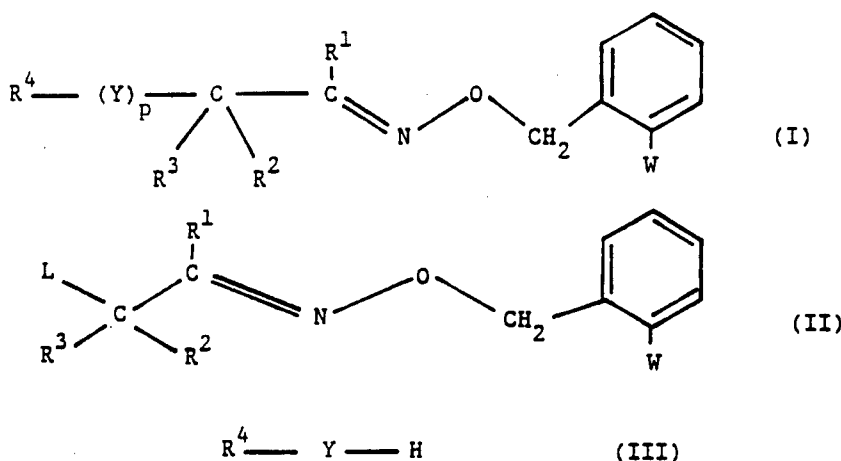




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : C07C 249/12, 249/08, 251/60 A01N 33/24, C07D 333/24 C07D 239/34, 239/38, 213/70	A3	(11) International Publication Number: WO 94/08948 (43) International Publication Date: 28 April 1994 (28.04.94)
(21) International Application Number: PCT/GB93/01979 (22) International Filing Date: 21 September 1993 (21.09.93) (30) Priority data: 9221584.7 14 October 1992 (14.10.92) GB (71) Applicant (for all designated States except US): ZENECA LIMITED [GB/GB]; 15 Stanhope Gate, London W1Y 6LN (GB). (72) Inventors; and (75) Inventors/Applicants (for US only) : WORTHINGTON, Paul, Anthony [GB/GB]; 4 Oakhurst, Maidenhead Court Park, Maidenhead, Berkshire SL6 8HY (GB). AS-PINALL, Ian, Henry [GB/GB]; 9 Barn Close, Bullbrook, Bracknell, Berkshire RG12 2TR (GB).		(74) Agents: HOUGHTON, Malcolm, John et al.; ICI Group Patents Services Dept., Shire Park, P.O. Box 6, Bessemer Road, Welwyn Garden City, Hertfordshire AL7 1HD (GB). (81) Designated States: AU, JP, NZ, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 23 June 1994 (23.06.94)

(54) Title: PROCESS FOR THE PREPARATION OF OXIME DERIVATIVES, CERTAIN INTERMEDIATES AND THE USE OF THE OXIME DERIVATIVES AS FUNGICIDES

**(57) Abstract**

A process for the preparation of a compound of formula (I), wherein Y is O, S(O)_n (wherein n is 0, 1 or 2) or NR⁵; W is CH₃O.CH=C.CO₂CH₃, CH₃O.CH=C.CONR⁶R⁷, CH₃O.N=C.CO₂CH₃ or CH₃O.N=C.CONR⁶R⁷; R¹ is hydrogen, C₁₋₄ alkyl, C₁₋₄ haloalkyl or cyano; R², R³, R⁵, R⁶ and R⁷ are independently hydrogen or C₁₋₄ alkyl; p is 1; and R⁴ is hydrogen, C₁₋₁₀ alkyl, optionally substituted aryl, optionally substituted heteroaryl, optionally substituted arylalkyl or optionally substituted heteroarylalkyl; the process comprising reacting a compound of formula (II), wherein W, R¹, R² and R³ are as previously defined and L is a leaving group, with a compound of formula (III), wherein R⁴ and Y are as previously defined.

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INTERNATIONAL SEARCH REPORT

Int'l Application No

PCT/GB 93/01979

A. CLASSIFICATION OF SUBJECT MATTER

IPC 5 C07C249/12 C07C249/08 C07C251/60 A01N33/24 C07D333/24
 C07D239/34 C07D239/38 C07D213/70

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)

IPC 5 C07C

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP,A,0 414 153 (NIHON NOHYAKU CO.) 27 February 1991 cited in the application see page 3, line 20 - line 33, line 51 - line 52, page 4, line 4 - line 9; also example 74, 109, 133-135, 138; claims 1, 9 ---	7,8,10, 11
X	EP,A,0 460 575 (CIBA-GEIGY AG) 11 December 1991 cited in the application see page 2, line 1 - line 29, line 35 - line 39; also table 2, compound 37; claim 1, 15 --- -/--	7,8,10, 11

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

22 December 1993

Date of mailing of the international search report

20.04.94

Name and mailing address of the ISA

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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.
X	WO,A,90 07493 (F. HOFFMANN-LA ROCHE) 12 July 1990 see page 1, line 15 - line 35, page 3, line 12 - line 26; also example 183; claims 1, 10 -----	7,8,10, 11
A	EP,A,0 468 684 (IMPERIAL CHEMICAL INDUSTRIE) 29 January 1992 see claim 5 -----	1

INTERNATIONAL SEARCH REPORT

International application No.

PCT/GB93/01979

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

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

1. Claims 1 - 11
2. Claims 12 - 13

For further information please see Form PCT/ISA/206 mailed 03.02.94

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 fee, this Authority did not invite payment of any additional fee.
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.:

1 - 11

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 93/01979

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