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**(88) Date of publication of the international search report:**
2 March 2000 (02.03.00)

**(54) Title:** FUNGICIDAL COMBINATIONS COMPRISING A GLYOXALIC ACID METHYLESTER METHYLOXIME DERIVATIVE

**(57) Abstract**

A method of combating phytopathogenic diseases on crop plants which comprises applying to the crop plants or the locus thereof being infested with said phytopathogenic disease an effective amount of a combination of a) 2–[α–{[(α–methyl–3–trifluoromethyl–benzyl)imino]–oxy}–o–tolyl]–glyoxalic acid methyl ester–O–methyloxime (I) in association with b) a broad variety of other plant fungicides is particularly effective in combating or preventing diseases of crop plants. These combinations exhibit synergistic fungicidal activity.

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# INTERNATIONAL SEARCH REPORT

Internat Application No
PCT/EP 99/03883

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 A01N37/50 //(A01N37/50,47:24,47:12, 43:88,43:653,43:50,43:40,37:52, 37:46,37:24,37:20)

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 6 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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| Y | WO 97 40671 A (CIBA GEIGY AG ;ZEUN RONALD (DE)) 6 November 1997 (1997-11-06) page 1 -page 2, paragraph 2; claims 1,12; examples B-1,B-4,B-6,B-8,B-11 --- | 1,4,6-8, 11 |
| Y | DE 195 43 746 A (BASF AG) 28 May 1997 (1997-05-28) page 1 -page 3 page 4, table I.2, compound no. I.2.7 page 6, line 32 - line 37 page 9, table II.2C, compound no. II.2C-4 page 16, line 64 -page 21, line 60; claims --- -/-- | 1,4,6-8, 11 |

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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| 5 October 1999 | 11. 01. 2000 |

| Name and mailing address of the ISA | Authorized officer |
|---|---|
| European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016 | MÜLLNERS W. |

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Internal Application No
PCT/EP 99/03883

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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| A | WO 97 00012 A (CIBA GEIGY AG ;KNAUF BEITER GERTRUDE (DE); KUENG RUTH BEATRICE (CH)) 3 January 1997 (1997-01-03) page 1 -page 2, paragraph 1 page 3, paragraph 2; claims 1,13; examples B-1,B-4,B-6,B-8,B-11 --- | 1,4,6-8, 11 |
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# INTERNATIONAL SEARCH REPORT

Inter. ..ional application No.
PCT/EP 99/03883

**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. ☐ 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, 6-8 (partially); 4, 11 (completely)

**Remark on Protest**

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1, 6-8 (partially); 4, 11 (completely)

A method of combating phytopathogenic diseases on crop plants which comprises applying to the plants or the locus thereof, in admixture or separately, a combination of a first component (A)
which is
2-[alpha-{[(alpha-methyl-3-trifluoromethyl-benzyl)imino]-oxy}-o-tolyl]-glyoxalic acid methylester methyloxime
in association with a second component (B)
which is
the cyclohexancarboxanilide of formula (IIA)
and corresponding fungicidal compositions

2. Claims: 1, 2, 6-9 (all partially)

As subject 1 but the second component (B) is
the N-biphenyl-2-chlor-nicotinamide of formula (IIB)

3. Claims: 1, 5-8, 12 (partially); 3, 10 (completely)

As subject 1 but the second component (B) is
a strobilurin fungicide selected from the list consisting of
the compounds IIC, IID, IIE, IIF, IIJ, IIN, IIP and IIQ

4. Claims: 1, 2, 6-9 (all partially)

As subject 1 but the second component (B) is
a valinamide fungicide selected from the list consisting of
the compounds IIG and IIH

5. Claims: 1 ,2, 6-9 (all partially)

As subject 1 but the second component (B) is
a 4-(2-Fluoroalkylamido)-benzamide of formula (IIK)

6. Claims: 1, 2, 6-9 (all partially)

As subject 1 but the second component (B) is
the N-acetonyl-benzamide (IIL)

7. Claims: 1, 5-8, 12 (all partially)

As subject 1 but the second component (B) is
the phenylimidazolinone (IIM)

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