

Title (en)

SULFONYL OXAZOLONES AND THEIR USE FOR COMBATING UNDESIRABLE MICROORGANISMS

Title (de)

SULFONYLOXAZOLONE UND IHRE VERWENDUNG ZUR BEKÄMPFUNG VON UNERWÜNSCHTEN MIKROORGANISMEN

Title (fr)

SULFONYLOXAZOLONES ET LEUR UTILISATION POUR LUTTER CONTRE DES MICRO-ORGANISMES INDESIRABLES

Publication

EP 1114036 A1 20010711 (DE)

Application

EP 99969088 A 19990909

Priority

- DE 19842353 A 19980916
- EP 9906650 W 19990909

Abstract (en)

[origin: DE19842353A1] 4-Alkyl-5-cyano-3-sulfonyl-3H-(1,3)-oxazol-2-ones (I) are new. Also new are corresponding 3-unsubstituted oxazolone intermediates (II). Sulfonyl-oxazolones of formula (I) are new. R1 = alkyl, optionally substituted heterocyclyl, R3-substituted nitrophenyl or NR4R5; R3 = halo, alkyl or phenyl; R4 = H or alkyl; R5 = alkyl or optionally substituted phenyl; R2 = alkyl. Independent claims are included for: (i) the preparation of (I), (ii) new oxazolone intermediates of formula (II); and (iii) the preparation of (II).

IPC 1-7

C07D 263/38; **C07D 413/12**; **A01N 43/76**

IPC 8 full level

A01N 43/76 (2006.01); **A01N 43/80** (2006.01); **C07D 263/38** (2006.01); **C07D 413/12** (2006.01)

CPC (source: EP KR US)

A01N 43/76 (2013.01 - EP KR US); **A01N 43/80** (2013.01 - EP US); **C07D 263/38** (2013.01 - EP US); **C07D 413/12** (2013.01 - EP US)

Citation (search report)

See references of WO 0015620A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19842353 A1 20000323; AU 5975599 A 20000403; BR 9913809 A 20010619; CN 1318060 A 20011017; EP 1114036 A1 20010711; JP 2002524555 A 20020806; KR 20010079748 A 20010822; PL 346522 A1 20020211; US 2002107403 A1 20020808; US 6359142 B1 20020319; WO 0015620 A1 20000323

DOCDB simple family (application)

DE 19842353 A 19980916; AU 5975599 A 19990909; BR 9913809 A 19990909; CN 99811008 A 19990909; EP 9906650 W 19990909; EP 99969088 A 19990909; JP 2000570160 A 19990909; KR 20017002889 A 20010306; PL 34652299 A 19990909; US 649501 A 20011205; US 78705401 A 20010313