

Title (en)

OPTICALLY ACTIVE 2,5-BISARYL-DELTA1-PYRROLINES AND THEIR USE AS PEST CONTROL AGENTS

Title (de)

OPTISCH AKTIVE 2,5-BISARYL-DELTA1-PYRROLINE UND DEREN VERWENDUNG ALS SCHÄDLINGSBEKÄMPFUNGSMITTEL

Title (fr)

2,5-BISARYL-DELTA1-PYRROLINES OPTIQUEMENT ACTIVES ET LEUR UTILISATION COMME MOYEN DE LUTTE CONTRE DES PARASITES

Publication

EP 1322607 A1 20030702 (DE)

Application

EP 01982267 A 20010910

Priority

- DE 10047110 A 20000922
- EP 0110424 W 20010910

Abstract (en)

[origin: WO0224643A1] The invention relates to novel optically active DELTA <1>-pyrrolines of formula (I), wherein R<1>, R<2>, R<3>, R<4> and m have the meanings given in the description, to several methods for producing these substances and to their use for controlling pests.

IPC 1-7

C07D 207/20; C07D 207/26; C07F 5/02; C07C 271/18; A01N 43/36; C07C 271/20; C07C 309/65; C07F 7/18

IPC 8 full level

A01N 43/36 (2006.01); **A01N 47/02** (2006.01); **A01N 47/16** (2006.01); **A01N 55/00** (2006.01); **C07C 271/18** (2006.01); **C07C 309/65** (2006.01); **C07D 207/20** (2006.01); **C07D 207/26** (2006.01); **C07D 207/263** (2006.01); **C07D 207/27** (2006.01); **C07F 5/02** (2006.01); **C07F 5/05** (2006.01); **C07F 7/12** (2006.01); **C07F 7/18** (2006.01)

CPC (source: EP KR US)

A01N 43/36 (2013.01 - EP US); **A01N 47/02** (2013.01 - EP US); **A01N 47/16** (2013.01 - EP US); **A01N 55/00** (2013.01 - EP US); **C07C 271/18** (2013.01 - EP US); **C07C 309/65** (2013.01 - EP US); **C07D 207/20** (2013.01 - EP KR US); **C07D 207/26** (2013.01 - EP US); **C07D 207/27** (2013.01 - EP US); **C07F 5/025** (2013.01 - EP US); **C07F 7/1804** (2013.01 - EP US); **C07B 2200/07** (2013.01 - EP US)

Citation (search report)

See references of WO 0224643A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0224643 A1 20020328; AR 034146 A1 20040204; AU 1389702 A 20020402; BR 0114062 A 20030701; CA 2422958 A1 20030319; CN 1630634 A 20050622; DE 10047110 A1 20020418; EG 23084 A 20040331; EP 1322607 A1 20030702; JP 2004509166 A 20040325; KR 100828310 B1 20080508; KR 20030034176 A 20030501; MX PA03002364 A 20041015; NZ 524813 A 20040924; TW I306853 B 20090301; US 2004059129 A1 20040325; US 2009012144 A1 20090108; US 7419936 B2 20080902

DOCDB simple family (application)

EP 0110424 W 20010910; AR P010104117 A 20010829; AU 1389702 A 20010910; BR 0114062 A 20010910; CA 2422958 A 20010910; CN 01819106 A 20010910; DE 10047110 A 20000922; EG 20010997 A 20010918; EP 01982267 A 20010910; JP 2002529056 A 20010910; KR 20037003564 A 20030311; MX PA03002364 A 20010910; NZ 52481301 A 20010910; TW 90123264 A 20010921; US 22072308 A 20080728; US 38043303 A 20030728