

Title (en)

4-HETAROYLPYRAZOL DERIVATIVES AND THE USE THEREOF AS HERBICIDES

Title (de)

4-HETAROYLPYRAZOL DERIVATE UND IHRE VERWENDUNG ALS HERBIZIDE

Title (fr)

DERIVES DE 4-HETAROYLPYRAZOLE ET LEUR UTILISATION COMME HERBICIDES

Publication

EP 0929546 A1 19990721 (DE)

Application

EP 97943851 A 19970909

Priority

- DE 19638484 A 19960920
- EP 9704910 W 19970909

Abstract (en)

[origin: US6262074B1] Hetaroyl derivatives of the formula I where: R1 and R2 are each hydrogen, nitro, halogen, cyano, thiocyanato, hydroxyl, mercapto, C1-C6-alkyl, C1-C6-alkoxy, C1-C6-alkylthio, C1-C6-alkylsulfinyl, C1-C6-alkylsulfonyl or C1-C6-alkoxysulfonyl, where the last 6 radicals may be substituted and/or functionalized; phenyl, phenoxy, phenylthio, phenylsulfinyl or phenylsulfonyl, where the last 5 radicals may be substituted; Z is an unsubstituted or substituted four-membered unsaturated, partially or fully saturated chain consisting of three carbons and one nitrogen; Q is unsubstituted or substituted hydroxypyrazole linked at position 4; and their agriculturally useful salts. A process for preparing the hetaroyl derivatives, compositions comprising them, and the use of these derivatives or these compositions comprising them for controlling undesirable plants.

IPC 1-7

C07D 401/06; **A01N 43/56**; **A01N 43/42**

IPC 8 full level

A01N 43/42 (2006.01); **A01N 43/56** (2006.01); **C07D 401/06** (2006.01)

CPC (source: EP KR US)

A01N 43/56 (2013.01 - EP US); **C07D 401/06** (2013.01 - EP KR US)

Citation (search report)

See references of WO 9812192A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL PT

DOCDB simple family (publication)

US 6262074 B1 20010717; AR 008482 A1 20000119; AU 4554297 A 19980414; AU 736613 B2 20010802; BR 9711404 A 19990817; CA 2266450 A1 19980326; CN 1235600 A 19991117; CZ 95899 A3 19990616; DE 19638484 A1 19980326; EA 199900272 A1 19991028; EP 0929546 A1 19990721; GE P20033091 B 20031027; HU P9904051 A2 20000328; HU P9904051 A3 20020128; IL 128800 A0 20000131; JP 2001503030 A 20010306; KR 20010029528 A 20010406; NZ 334549 A 20010223; PL 332324 A1 19990830; SK 31099 A3 20000410; WO 9812192 A1 19980326; ZA 978451 B 19990319

DOCDB simple family (application)

US 25497499 A 19990317; AR P970104347 A 19970922; AU 4554297 A 19970909; BR 9711404 A 19970909; CA 2266450 A 19970909; CN 97199368 A 19970909; CZ 95899 A 19970909; DE 19638484 A 19960920; EA 199900272 A 19970909; EP 9704910 W 19970909; EP 97943851 A 19970909; GE AP1997004763 A 19970909; HU P9904051 A 19970909; IL 12880097 A 19970909; JP 51425198 A 19970909; KR 19997002352 A 19990319; NZ 33454997 A 19970909; PL 33232497 A 19970909; SK 31099 A 19970909; ZA 978451 A 19970919