

Title (en)
HERBICIDAL COMPOUNDS BASED ON N-AZINYL-N'-PHENYLSULFONYLUREAS

Title (de)
HERBIZIDE VERBINDUNGEN AUF BASIS VON N-AZINYL-N'-PHENYLSULFONYL-HARNSTOFFEN

Title (fr)
COMPOSÉS HERBICIDES À BASE DE N-AZINYL-N -PHÉNYLSULFONYL-URÉES

Publication
EP 2278881 A1 20110202 (DE)

Application
EP 09731783 A 20090411

Priority
• EP 2009002698 W 20090411
• EP 08007674 A 20080419
• EP 09731783 A 20090411

Abstract (en)
[origin: EP2110019A1] N-Azinyl-N'-phenylsulfonylurea compounds (I) and their salts are new. N-Azinyl-N'-phenylsulfonylurea compounds of formula (I) and their salts are new. A : N or CR⁷>; R⁷>H, alkyl, halo or haloalkyl; R¹>alkyl, alkoxy, alkoxyalkyl, alkenyl, alkynyl, cycloalkyl, cycloalkylalkyl, aralkyl or aryl (all optionally substituted) or H; R²>, R³>alkyl, cycloalkyl, alkoxy, alkylthio, alkylamino or dialkylamino (all optionally substituted by halo), H or halo; R⁴>, R⁵>H, halo or substituted alkyl; R⁶>alkyl or alkenyl (both optionally substituted); and Q : O or S. Independent claims are included for: (1) the preparation of (I); (2) 2-(2-fluoroalkoxy)benzyl-sulfonamide compounds of formula (II); (3) benzene sulfonyl compounds of formula (X); (4) 2-(2-fluoroalkoxy)benzyl-sulfonic acid halide compounds of formula (VIII); (5) 2-(2-fluoroalkoxy)benzylsulfonic acid-iso(thio)cyanate compounds of formula (IV); (6) 2-(2-fluoroalkoxy)benzyl-sulfonyl(thio)carbamate compounds of formula (VI); and (7) a composition comprising (I). R⁸>1-8C, preferably 1-4C-group, preferably tert.butyl group. [Image] [Image] [Image] ACTIVITY : Plant Growth Regulant; Herbicide; Pesticide; Insecticide; Fungicide; Antibacterial; Virucide. MECHANISM OF ACTION : None given.

IPC 8 full level
A01N 47/36 (2006.01); **A01P 13/00** (2006.01); **C07D 239/00** (2006.01); **C07D 251/00** (2006.01)

CPC (source: EP US)
A01N 47/36 (2013.01 - EP US); **A61P 13/00** (2017.12 - EP); **C07C 309/87** (2013.01 - EP US); **C07C 311/29** (2013.01 - EP US); **C07D 239/42** (2013.01 - EP US); **C07D 239/46** (2013.01 - EP US); **C07D 239/47** (2013.01 - EP US); **C07D 251/16** (2013.01 - EP US); **C07D 251/46** (2013.01 - EP US); **C07D 251/52** (2013.01 - EP US)

Citation (search report)
See references of WO 2009127378A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
EP 08007674 A 20080419; AU 2009237988 A 20090411; CA 2721712 A 20090411; CN 200980123225 A 20090411; EA 201001511 A 20090411; EP 09731783 A 20090411; EP 2009002698 W 20090411; US 93731909 A 20090411