

Title (en)
QUINOXALIN-2-ONE DERIVATIVES CROP PROTECTION AGENTS COMPRISING THE SAME AND METHOD FOR PRODUCTION AND USE THEREOF

Title (de)
CHINOXALIN-2-ON-DERIVATE, DIESE ENTHALTENDE NUTZPFLANZENSCHÜTZENDE MITTEL UND VERFAHREN ZU IHRER HERSTELLUNG UND DEREN VERWENDUNG

Title (fr)
DERIVES DE QUINOXALIN-2-ONE, PHYTOPROTECTEURS POUR PLANTES UTILES CONTENANT CES DERIVES, PROCEDE DE PRODUCTION ET UTILISATION DESDITS DERIVES

Publication
EP 1746880 A1 20070131 (DE)

Application
EP 05742922 A 20050426

Priority
• EP 2005004445 W 20050426
• DE 102004023332 A 20040512

Abstract (en)
[origin: WO2005112630A1] The invention relates to compounds of formula (I), or the salts thereof, where X = O or S, (Y)_n = n substituted Y, n = 0, 1, 2, 3 or 4, R<1> = H, OH, NH₂, C1-C4 alkylamino, di-[C1-C4 alkyl]amino or optionally substituted C1-C10 alkyl, C3-C10 alkenyl, C3-C10 alkynyl or C1-C10 alkoxy, C3-C10 cycloalkyl, C4-C10 cycloalkenyl, aryl or heterocyclyl, R<2> = H, or optionally substituted C1-C10 alkyl, C3-C10 alkenyl, C3-C10 alkynyl, C3-C10 cycloalkyl, C4-C10 cycloalkenyl, aryl or heterocyclyl, whereby Y is as defined in claim 1, which are suitable as safeners for cultured plants or crops against the phytotoxic effects of agrochemicals, such as pesticides, on said plants.

IPC 8 full level
A01N 25/32 (2006.01); **A01N 43/60** (2006.01); **A01N 43/78** (2006.01); **A01N 43/80** (2006.01); **A01N 43/82** (2006.01); **C07D 241/50** (2006.01); **C07D 241/52** (2006.01); **C07D 401/04** (2006.01); **C07D 401/06** (2006.01); **C07D 403/06** (2006.01); **C07D 405/04** (2006.01); **C07D 405/06** (2006.01); **C07D 405/12** (2006.01); **C07D 409/04** (2006.01); **C07D 409/06** (2006.01); **C07D 409/14** (2006.01); **C07D 413/06** (2006.01); **C07D 417/04** (2006.01); **C07D 417/06** (2006.01); **C07D 417/14** (2006.01)

CPC (source: EP KR US)
A01N 25/32 (2013.01 - EP KR US); **A01N 43/60** (2013.01 - EP US); **A01N 43/78** (2013.01 - EP US); **A01N 43/80** (2013.01 - EP US); **A01N 43/82** (2013.01 - EP US); **A01N 57/08** (2013.01 - KR); **C07D 241/52** (2013.01 - EP US); **C07D 401/04** (2013.01 - EP US); **C07D 401/06** (2013.01 - EP US); **C07D 403/06** (2013.01 - EP US); **C07D 405/04** (2013.01 - EP US); **C07D 405/06** (2013.01 - EP US); **C07D 405/12** (2013.01 - EP US); **C07D 409/04** (2013.01 - EP US); **C07D 409/06** (2013.01 - EP US); **C07D 409/14** (2013.01 - EP US); **C07D 413/06** (2013.01 - EP US); **C07D 417/04** (2013.01 - EP US); **C07D 417/06** (2013.01 - EP US); **C07D 417/14** (2013.01 - EP US)

Citation (search report)
See references of WO 2005112630A1

Cited by
US11570992B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005112630 A1 20051201; AU 2005245259 A1 20051201; BR PI0510976 A 20071127; CA 2566460 A1 20051201; CN 1949966 A 20070418; CN 1949966 B 20100526; DE 102004023332 A1 20060119; EA 200602067 A1 20070629; EP 1746880 A1 20070131; JP 2007537172 A 20071220; KR 20070014176 A 20070131; MX PA06013106 A 20070228; TW 200600504 A 20060101; US 2005256000 A1 20051117; US 2011143939 A1 20110616

DOCDB simple family (application)
EP 2005004445 W 20050426; AU 2005245259 A 20050426; BR PI0510976 A 20050426; CA 2566460 A 20050426; CN 200580014908 A 20050426; DE 102004023332 A 20040512; EA 200602067 A 20050426; EP 05742922 A 20050426; JP 2007511945 A 20050426; KR 20067023658 A 20061110; MX PA06013106 A 20050426; TW 94115098 A 20050510; US 12701605 A 20050511; US 201113031426 A 20110221