

Title (en)  
(HETERO)ARYL-SUBSTITUTED HETEROCYCLIC ENAMINONES, PRODUCTION THEREOF AND USE THEREOF AS HERBICIDES, ACARICIDES AND INSECTICIDES

Title (de)  
(HETERO)ARYL-SUBSTITUIERTE HETEROZYKLISCHE ENAMINONE, DEREN HERSTELLUNG UND DEREN VERWENDUNG ALS HERBIZIDE, AKARIZIDE UND INSEKTIZIDE

Title (fr)  
ENAMINONES HETEROCYCLIQUES SUBSTITUEES PAR UN (HETERO)-ARYLE, LEUR PRODUCTION ET LEUR UTILISATION COMME HERBICIDES, ACARICIDES ET INSECTICIDES

Publication  
**EP 1259496 A1 20021127 (DE)**

Application  
**EP 00977587 A 20001121**

Priority  
• DE 19958164 A 19991202  
• EP 0011838 W 20001121

Abstract (en)  
[origin: WO0140202A1] The invention relates to novel heterocyclic enaminones of general formula (I), wherein K represents oxygen or sulphur, Ar represents substituted phenyl or naphthyl, respectively or optionally substituted mono- or bicyclic hetaryl with 5 to 10 ring atoms, V represents oxygen or the groups -S(O)n- or >N-W, X represents CN, (a) or (b), Y<1> and Y<3> represent, independently of each other, hydrogen, halogen or optionally substituted alkyl, alkoxy, alkoxyalkyl, phenyl, phenylalkyl, hetaryl, hetarylalkyl or the groups (c), or (d), respectively, and Y<2>, Y<4>, Y<6> represent, independently of each other, hydrogen, halogen or optionally substituted alkyl, Y<5> represents hydrogen or optionally substituted alkyl or phenyl, respectively, Y<4> and Y<5>, together with the carbon atoms to which they are bonded, represent an optionally substituted saturated or unsaturated cycle which is optionally interrupted by hetero atoms, Y<1> and Y<2>, together with the carbon atom to which they are bonded, represent an optionally substituted saturated or unsaturated cycle which is optionally interrupted by hetero atoms, Z represents hydrogen, optionally substituted alkyl, alkenyl, alkinyl, cycloalkyl, cycloalkyl-alkyl, alkoxyalkyl, phenoxyalkyl, phenylalkyl-oxyalkyl, phenylthioalkyl, phenylalkyl-thioalkyl, phenyl, phenylalkyl, hetaryl, hetaryl-alkyl respectively, or the groups (e; f; g; h; i; j; k) or cyano and m represents 0 to 2; to their use as herbicides, acaricides and insecticides and to methods for producing them.

IPC 1-7  
**C07D 265/30; C07D 413/06; C07D 279/12; A01N 43/84**

IPC 8 full level  
**A01N 43/84** (2006.01); **C07D 265/30** (2006.01); **C07D 279/12** (2006.01); **C07D 413/06** (2006.01); **C07D 417/06** (2006.01)

CPC (source: EP KR US)  
**A01N 43/84** (2013.01 - EP KR US); **C07D 265/30** (2013.01 - EP KR US); **C07D 279/12** (2013.01 - EP KR US); **C07D 413/06** (2013.01 - EP KR US); **C07D 417/06** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 0140202A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL

DOCDB simple family (publication)  
**WO 0140202 A1 20010607**; AR 035020 A1 20040414; AU 1524501 A 20010612; AU 775400 B2 20040729; BR 0016151 A 20020813; CA 2394002 A1 20010607; CN 1216874 C 20050831; CN 1407977 A 20030402; CO 5231185 A1 20021227; DE 19958164 A1 20010607; EP 1259496 A1 20021127; JP 2003515596 A 20030507; KR 100762442 B1 20071004; KR 20020059699 A 20020713; MX PA02005398 A 20030212; PL 355678 A1 20040504; TW 542828 B 20030721; US 2006069253 A1 20060330; US 7186829 B1 20070306

DOCDB simple family (application)  
**EP 0011838 W 20001121**; AR P000106318 A 20001130; AU 1524501 A 20001121; BR 0016151 A 20001121; CA 2394002 A 20001121; CN 00816675 A 20001121; CO 00092014 A 20001201; DE 19958164 A 19991202; EP 00977587 A 20001121; JP 2001541887 A 20001121; KR 20027005878 A 20020507; MX PA02005398 A 20001121; PL 35567800 A 20001121; TW 89125532 A 20001201; US 13089100 A 20001121; US 27329505 A 20051114