

Title (en)
PERHALOALKOXYBENZENOPHENONE HYDRAZONES AND THEIR USE AS PESTICIDES

Title (de)
PERHALOGENALKOXY-BENZOPHENONHYDRAZONE UND IHRE VERWENDUNG ALS PESTIZIDE

Title (fr)
HYDRAZONES DE PERHALOALKOXYBENZENOPHENONE ET LEUR UTILISATION EN TANT QUE PESTICIDES

Publication
EP 0757671 A1 19970212 (EN)

Application
EP 95918558 A 19950415

Priority
• CH 134494 A 19940429
• EP 9501424 W 19950415

Abstract (en)
[origin: WO9529889A1] Compounds of formula (I) in which X is (a) or (b), n is 0, 1, 2, 3, 4 or 5, where if n is greater than 1, the radicals R2 are identical or different; o is 0, 1, 2, 3 or 4, where if o is greater than 1, the radicals R3 are identical or different; R1 is perhalo-C1-C4alkoxy; R2 is halogen, C1-C8alkyl, halo-C1-C8alkyl, C1-C8alkoxy, halo-C1-C8alkoxy, C1-C8alkylthio, halo-C1-C8alkylthio, C1-C8alkylsulfynyl, halo-C1-C8alkylsulfynyl, C1-C8alkylsulfonyl, halo-C1-C8alkylsulfonyl, CN or phenyl; R3 is halogen, C1-C8alkyl, halo-C1-C8alkyl or halo-C1-C8alkoxy; R4 is H, halogen, C1-C8alkyl, C3-C6cycloalkyl, halo-C1-C8alkyl, C1-C8alkoxy, C1-C8alkoxy-C1-C8alkyl, C1-C8alkoxy-C1-C8alkoxy, C1-C8alkylthio or NR8R9; R5 is C1-C8alkyl, NR10R11, OR20, SR20 or SO2R20; R6 is H, C1-C8alkyl, C3-C6cycloalkyl, halo-C1-C8alkyl, C1-C8alkenyl, C1-C8alkynyl, C1-C8acyl or phenyl; R7 is H, an unsubstituted or substituted C1-C8alkyl, C3-C6cycloalkyl, C3-C6cycloalkyl-C1-C8alkyl, C1-C8alkenyl, C1-C8alkynyl, C3-C6cycloalkenyl, C3-C6cycloalkenyl-C1-C8alkyl or C3-C6cycloalkyl-C1-C8alkenyl group, it being possible for the substituents to be selected from the group consisting of halogen, C1-C8alkyl, halo-C1-C8alkyl, C1-C8alkoxy, halo-C1-C8alkoxy, C1-C8alkyl-S(O)p, it being possible for p to be 0, 1 or 2, C1-C8alkoxycarbonyl, di(C1-C8alkyl)amino and C1-C8alkanoyloxy; an unsubstituted or substituted phenyl or heteroaryl group, it being possible for the substituents to be selected from the group consisting of C1-C6alkyl and halogen; C1-C8alkoxy, NR16R17, COOR6 or SR6; R8 and R9 independently of one another are H, C1-C8alkyl or OH; R10 is H, C1-C8alkyl, C3-C6cycloalkyl, halo-C1-C8alkyl, halo-C1-C8alkoxy-C1-C8alkyl, phenyl, OR12, S(O)mR13, m being 0, 1 or 2, or NR14R15; R11 is H, C1-C8alkyl, C3-C6cycloalkyl, halo-C1-C8alkyl, C1-C8alkoxy-C1-C8alkyl, allyl, C1-C8alkylallyl, haloallyl or propargyl; R12 is H, C1-C8alkyl, halo-C1-C8alkyl, C1-C8alkoxy-C1-C8alkyl, C3-C6cycloalkyl, C2-C8alkenyl, halo-C2-C8alkenyl or propargyl; R13 is H, C1-C8alkyl, halogen-C1-C8alkyl, phenyl or NR14R15; R14 and R15 independently of one another are H, C1-C8alkyl, halo-C1-C8alkyl, phenyl, C1-C8alkylamido, di(C1-C8alkyl)amido or NH2; R16 and R17 independently of one another are H, C1-C8alkyl, halo-C1-C8alkyl, C2-C8alkenyl, C1-C8alkoxy or NH2; R18 is S(O)mR19, m being 0, 1 or 2, NO2 or CN; R19 is C1-C8alkyl, halo-C1-C8alkyl, C3-C6cycloalkyl, phenyl, benzyl or NR14R15; R20 is C1-C8alkyl, halo-C1-C8alkyl or C3-C6cycloalkyl; Y is O, S, NR18 or CHC(O)R21; and R21 is H, C1-C8alkyl, halo-C1-C8alkyl, C1-C8alkoxy or phenyl, and if appropriate, E/Z isomers and tautomers thereof, in each case in free form or in salt form, can be used as agrochemical active ingredients and may be prepared in a manner known per se.

IPC 1-7
C07C 251/86; **C07D 333/38**; **C07D 333/70**; **C07D 213/87**; **C07C 281/04**; **C07C 281/14**; **C07C 257/22**; **C07C 259/20**; **C07C 327/58**; **C07C 311/46**; **A01N 37/28**

IPC 8 full level
A01N 35/10 (2006.01); **A01N 37/28** (2006.01); **A01N 37/44** (2006.01); **A01N 37/52** (2006.01); **A01N 41/06** (2006.01); **A01N 41/10** (2006.01); **A01N 43/10** (2006.01); **A01N 43/12** (2006.01); **A01N 43/40** (2006.01); **A01N 47/24** (2006.01); **A01N 47/34** (2006.01); **C07C 251/86** (2006.01); **C07C 251/88** (2006.01); **C07C 257/22** (2006.01); **C07C 259/20** (2006.01); **C07C 281/04** (2006.01); **C07C 281/14** (2006.01); **C07C 311/05** (2006.01); **C07C 311/46** (2006.01); **C07C 317/28** (2006.01); **C07C 317/32** (2006.01); **C07C 323/24** (2006.01); **C07C 323/35** (2006.01); **C07C 327/42** (2006.01); **C07C 329/00** (2006.01); **C07C 333/00** (2006.01); **C07D 213/87** (2006.01); **C07D 333/38** (2006.01); **C07D 333/70** (2006.01)

CPC (source: EP)
A01N 35/10 (2013.01); **A01N 37/28** (2013.01); **A01N 37/44** (2013.01); **A01N 37/52** (2013.01); **A01N 41/06** (2013.01); **A01N 41/10** (2013.01); **A01N 43/10** (2013.01); **A01N 43/12** (2013.01); **A01N 43/40** (2013.01); **A01N 47/24** (2013.01); **A01N 47/34** (2013.01); **C07C 251/86** (2013.01); **C07C 251/88** (2013.01); **C07C 311/05** (2013.01); **C07D 213/87** (2013.01); **C07D 333/38** (2013.01); **C07D 333/70** (2013.01)

Citation (search report)
See references of WO 9529889A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IE IT LI NL

DOCDB simple family (publication)
WO 9529889 A1 19951109; AU 2446595 A 19951129; BR 9501849 A 19960409; CA 2189035 A1 19951109; CN 1147246 A 19970409; CZ 313996 A3 19970212; EP 0757671 A1 19970212; HU 9602972 D0 19970128; HU T75200 A 19970428; IL 113435 A0 19950731; JP H10504799 A 19980512; MX 9605193 A 19970930; SK 138396 A3 19970507; ZA 953446 B 19951030

DOCDB simple family (application)
EP 9501424 W 19950415; AU 2446595 A 19950415; BR 9501849 A 19950428; CA 2189035 A 19950415; CN 95192841 A 19950415; CZ 313996 A 19950415; EP 95918558 A 19950415; HU 9602972 A 19950415; IL 11343595 A 19950420; JP 52795795 A 19950415; MX 9605193 A 19950415; SK 138396 A 19950415; ZA 953446 A 19950428