

Title (en)  
PESTICIDAL POLYHALOALKENE DERIVATIVES

Publication  
**EP 0228447 A4 19901227 (EN)**

Application  
**EP 86904515 A 19860612**

Priority  
• US 74691185 A 19850620  
• US 74714285 A 19850620

Abstract (en)  
[origin: WO8607590A1] Polyhaloalkene compounds of formula (I), wherein X is sulfur, oxygen, nitrogen or methylene, Y<1> and Y<2> independently are fluorine, chlorine or bromine, Z is hydrogen or the same as Y<1> or Y<2>, and n is 1-4; provided that: (A) when X is sulfur, R is thiazolyl substituted thienyl, optionally substituted thianaphthyl, optionally substituted thiazoliny, optionally substituted thiadiazolyl, optionally substituted oxadiazolyl or 3,4,4- trifluoro-3-butenyloxycarbonyl-methyl; (B) when X is oxygen, R is C(O)R<1> wherein R<1> is perfluoroalkyl, optionally substituted phenyl, optionally substituted thienyl, optionally substituted furanyl, optionally substituted pyrrolyl or dihydrothiazolylthiomethyl; (C) when X is nitrogen, R taken with the nitrogen is an isothiocyanate, succinimide or saccharine group; and (D) when X is methylene, R is hydroxy. The compounds exhibit activity against plant nematodes and helminths that are indicators of animal anthelmintic activity and therefore are useful in agriculture and veterinary practice.

IPC 1-7  
**C07C 33/42**; C07C 69/63; C07C 69/767; C07D 271/06; C07D 271/10; C07D 277/26; C07D 285/06; C07D 285/12; A01N 31/02; A01N 37/02

IPC 8 full level  
**A01N 31/02** (2006.01); **A01N 37/02** (2006.01); **A01N 37/06** (2006.01); **A01N 37/10** (2006.01); **A01N 37/32** (2006.01); **A01N 43/06** (2006.01); **A01N 43/36** (2006.01); **A01N 43/78** (2006.01); **A01N 43/80** (2006.01); **A01N 43/824** (2006.01); **C07C 33/42** (2006.01); **C07C 323/52** (2006.01); **C07C 331/22** (2006.01); **C07D 207/34** (2006.01); **C07D 207/404** (2006.01); **C07D 271/07** (2006.01); **C07D 271/113** (2006.01); **C07D 275/06** (2006.01); **C07D 277/16** (2006.01); **C07D 277/36** (2006.01); **C07D 285/08** (2006.01); **C07D 285/125** (2006.01); **C07D 285/135** (2006.01); **C07D 307/71** (2006.01); **C07D 333/34** (2006.01); **C07D 333/38** (2006.01); **C07D 333/54** (2006.01); **C07D 207/40** (2006.01); **C07D 271/06** (2006.01); **C07D 271/10** (2006.01); **C07D 285/12** (2006.01)

CPC (source: EP KR)  
**A01N 31/02** (2013.01 - EP); **A01N 37/02** (2013.01 - EP); **A01N 37/06** (2013.01 - EP); **A01N 37/10** (2013.01 - EP); **A01N 37/32** (2013.01 - EP); **A01N 43/06** (2013.01 - EP); **A01N 43/36** (2013.01 - EP); **A01N 43/78** (2013.01 - EP); **A01N 43/80** (2013.01 - EP); **C07C 33/42** (2013.01 - KR); **C07C 33/423** (2013.01 - EP); **C07C 69/63** (2013.01 - EP KR); **C07C 69/76** (2013.01 - EP); **C07C 323/52** (2013.01 - EP); **C07C 331/22** (2013.01 - EP); **C07D 207/34** (2013.01 - EP); **C07D 207/404** (2013.01 - EP); **C07D 221/06** (2013.01 - KR); **C07D 271/07** (2013.01 - EP); **C07D 271/113** (2013.01 - EP); **C07D 275/06** (2013.01 - EP); **C07D 277/16** (2013.01 - EP); **C07D 277/36** (2013.01 - EP); **C07D 285/08** (2013.01 - EP); **C07D 285/125** (2013.01 - EP); **C07D 285/135** (2013.01 - EP); **C07D 307/71** (2013.01 - EP); **C07D 333/34** (2013.01 - EP); **C07D 333/38** (2013.01 - EP); **C07D 333/54** (2013.01 - EP)

Citation (search report)  
• [X] US 3780050 A 19731218 - BROKKE M  
• [X] US 3666818 A 19720530 - BROKKE MERVIN E  
• [XD] US 3513172 A 19700519 - BROKKE MERVIN E  
• [A] US 3697536 A 19721010 - BROKKE MERVIN E  
• See references of WO 8607590A1

Designated contracting state (EPC)  
CH DE FR GB IT LI NL

DOCDB simple family (publication)  
**WO 8607590 A1 19861231**; AU 601656 B2 19900913; AU 6122986 A 19870113; BR 8606746 A 19871013; CA 1277668 C 19901211; CN 86104207 A 19870401; DK 84387 A 19870219; DK 84387 D0 19870219; EP 0228447 A1 19870715; EP 0228447 A4 19901227; HU 204022 B 19911128; HU T42424 A 19870728; IL 79143 A0 19860930; KR 870700589 A 19871230; KR 910000247 B1 19910123; MY 102076 A 19920331; OA 08484 A 19880729

DOCDB simple family (application)  
**US 8601284 W 19860612**; AU 6122986 A 19860612; BR 8606746 A 19860612; CA 511879 A 19860618; CN 86104207 A 19860619; DK 84387 A 19870219; EP 86904515 A 19860612; HU 325486 A 19860612; IL 7914386 A 19860618; KR 870700146 A 19870220; MY P19872201 A 19870929; OA 59075 A 19870220