

Title (en)
BENZOYL DERIVATIVES, METHOD FOR PRODUCING THEM AND THEIR USE AS HERBICIDES AND PLANT GROWTH REGULATORS

Title (de)
BENZOYLDERIVATE, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG ALS HERBIZIDE UND
PFLANZENWACHSTUMSREGULATOREN

Title (fr)
DERIVES DE BENZOYL, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION COMME HERBICIDES ET REGULATEURS DE
CROISSANCE DES PLANTES

Publication
EP 1109807 A1 20010627 (DE)

Application
EP 99946028 A 19990826

Priority
• DE 19840337 A 19980904
• EP 9906259 W 19990826

Abstract (en)
[origin: US6297196B1] Benzoyl derivatives of the formula (I), process for their preparation and their use as herbicides and plant growth regulators are described. In this formula (I), R1, R2, R3, R4 and R5 are various organic radicals, Q is isothiazole, isoxazole, cyclohexanedione or a beta-ketonitrile radical and A, B, E and X are divalent units containing one or more atoms.

IPC 1-7
C07D 409/14; C07D 409/12; C07D 417/06; C07D 335/06; C07D 413/14; A01N 43/18

IPC 8 full level
A01N 43/18 (2006.01); **A01N 43/40** (2006.01); **A01N 43/50** (2006.01); **A01N 43/54** (2006.01); **A01N 43/56** (2006.01); **A01N 43/60** (2006.01); **C07D 333/56** (2006.01); **A01N 43/80** (2006.01); **A01N 57/12** (2006.01); **A01P 13/00** (2006.01); **C07D 335/06** (2006.01); **C07D 335/16** (2006.01); **C07D 409/04** (2006.01); **C07D 409/06** (2006.01); **C07D 409/12** (2006.01); **C07D 409/14** (2006.01); **C07D 413/12** (2006.01); **C07D 413/14** (2006.01); **C07D 417/12** (2006.01); **C07D 417/14** (2006.01); **C07F 9/09** (2006.01); **C07F 9/6553** (2006.01); **C07F 9/6574** (2006.01)

CPC (source: EP KR US)
A01N 43/18 (2013.01 - EP KR US); **A01N 43/40** (2013.01 - EP KR US); **A01N 43/54** (2013.01 - EP KR US); **A01N 43/60** (2013.01 - EP KR US); **C07D 335/16** (2013.01 - EP KR US); **C07D 409/12** (2013.01 - EP KR US)

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

DOCDB simple family (publication)
US 6297196 B1 20011002; AR 020376 A1 20020508; AU 5855199 A 20000327; AU 752786 B2 20021003; BR 9913461 A 20010724; CA 2343151 A1 20000316; CN 1149211 C 20040512; CN 1317004 A 20011010; CO 5210935 A1 20021030; CZ 2001796 A3 20010815; DE 19840337 A1 20000309; EP 1109807 A1 20010627; HU P0104201 A2 20020328; HU P0104201 A3 20020429; ID 29626 A 20010906; IL 141374 A0 20020310; JP 2002524459 A 20020806; KR 20010085762 A 20010907; MY 130252 A 20070629; PL 346496 A1 20020211; RU 2223271 C2 20040210; SK 2962001 A3 20011106; TR 200100695 T2 20010723; TW 585863 B 20040501; UA 68395 C2 20040816; WO 0014087 A1 20000316; ZA 200101563 B 20020510

DOCDB simple family (application)
US 38890599 A 19990902; AR P990104413 A 19990902; AU 5855199 A 19990826; BR 9913461 A 19990826; CA 2343151 A 19990826; CN 99810594 A 19990826; CO 99054357 A 19990827; CZ 2001796 A 19990826; DE 19840337 A 19980904; EP 9906259 W 19990826; EP 99946028 A 19990826; HU P0104201 A 19990826; ID 20010469 A 19990826; IL 14137499 A 19990826; JP 2000568845 A 19990826; KR 20017002867 A 20010305; MY PI9903819 A 19990903; PL 34649699 A 19990826; RU 2001109229 A 19990826; SK 2962001 A 19990826; TR 200100695 T 19990826; TW 88115146 A 19990902; UA 2001042216 A 19990826; ZA 200101563 A 20010226