

Title (en)  
SUBSTITUTED N-[PYRIMIDIN-2-YLMETHYL]CARBOXAMIDES AND THEIR USE AS HERBICIDES AND PLANT GROWTH REGULATORS

Title (de)  
SUBSTITUIERTE N-[PYRIMIDIN-2-YL-METHYL]CARBOXAMIDE UND IHRE VERWENDUNG ALS HERBIZIDE UND  
PFLANZENWACHSTUMSREGULATOREN

Title (fr)  
N-[PYRIMIDIN-2-YL-METHYL]CARBOXAMIDES SUBSTITUES ET LEUR UTILISATION EN TANT QU'HERBICIDES ET REGULATEURS DE  
CROISSANCE VEGETALE

Publication  
**EP 1871746 A1 20080102 (DE)**

Application  
**EP 06707605 A 20060318**

Priority  
• EP 2006002508 W 20060318  
• DE 102005014906 A 20050402

Abstract (en)  
[origin: DE102005014906A1] Pyrimidine compounds (I) and their N-oxides and/or salts are new. Pyrimidine compounds of formula (I) and their N-oxides and/or salts are new. Either R 1>, R 2>H, halo, cyano, amino, isocyano, OH, nitro, COOR 5>, COR 5>, CH 2OH, CH 2SH, CH 2NH 2, 1-4C alkyl, halo 1-4C alkyl, 3-6C cycloalkyl, 1-4C alkoxy, halo(1-4C)alkoxy, (1-2C)-alkoxy-1-2C-alkyl, 2-4C-alkenyl, 2-4C alkynyl, 3-4C alkenyloxy, 3-4C alkynyl, 1-2C alkylthio-1-2C alkyl, S(O) nR 6>, 1-2C-alkylsulfonyl-1-2C alkyl, (1-4C)alkyl-NH, (1-3C)-alkyl-CO-NH, (1-4C)-alkyl-SO 2NH or di-(1-4C)-alkylamino; or R 1>R 2>(CH 2) 3; R 3>H, 1-4C alkyl, 2-4C alkenyl, 2-4C alkynyl, benzyl, COOR 5>, COR 4> or S(O) nR 6>; R 4>H, 1-8C alkyl, 2-8C alkenyl, 2-8C alkynyl, 3-6C cycloalkyl, 3-6C cycloalkyl (substituted with one or two methyls), (1-2C)-alkoxy-1-2C alkyl, (3-6C)-cycloalkyl-(1-2C)-alkyl, halo-(1-6C)-alkyl or halo-(3-6C)-cycloalkyl; R 5>, X 1>, X 2>H or 1-4C alkyl; R 6>H, 1-4C alkyl or halo-(1-4C)-alkyl; A : phenyl compound of formula (A1) or 7 heterocyclic compounds of formulae (A2), (A3) and (A8); R 8>H, halo, cyano, isocyano, nitro, 1-4C alkyl, halo 1-4C alkyl, 1-4C alkoxy, halo 1-4C alkoxy, halo-(1-4C)-thioalkyl, 3-6C cycloalkyl, halo-(3-6C)-cycloalkyl, SF 5, S(O) nR 6>, 2-4C alkenyl or 2-4C alkynyl; R 9>H, halo, cyano, isocyano, nitro, 1-4C alkyl, halo-1-4C alkyl, 1-4C alkoxy, halo-(1-4C)-alkoxy, 2-4C alkenyl, 2-4C alkenyl, 3-6C cycloalkyl or S(O) nR 6>; R 10>1-4C alkyl; and n : 0-2. Independent claims are included for: (1) a herbicidal agent comprising (I); and (2) a method for combating weeds comprising applying (I) or herbicidal agent on the plants or on the place, where unwanted plants grow. [Image] [Image] [Image] ACTIVITY : Herbicide. MECHANISM OF ACTION : None given.

IPC 8 full level  
**C07D 239/34** (2006.01); **A01N 43/54** (2006.01); **C07D 401/12** (2006.01); **C07D 403/12** (2006.01); **C07D 409/12** (2006.01)

CPC (source: EP US)  
**A01N 43/54** (2013.01 - EP US); **A01N 43/56** (2013.01 - EP US); **C07D 239/34** (2013.01 - EP US); **C07D 401/12** (2013.01 - EP US); **C07D 403/12** (2013.01 - EP US); **C07D 409/12** (2013.01 - EP US)

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102005014906 A1 20061005**; AR 053196 A1 20070425; AU 2006231020 A1 20061012; BR PI0609796 A2 20100427; CA 2603169 A1 20061012; CN 101151253 A 20080326; EP 1871746 A1 20080102; JP 2008534536 A 20080828; MX 2007012243 A 20071207; TW 200715965 A 20070501; US 2006223708 A1 20061005; WO 2006105862 A1 20061012

DOCDB simple family (application)  
**DE 102005014906 A 20050402**; AR P060101259 A 20060330; AU 2006231020 A 20060318; BR PI0609796 A 20060318; CA 2603169 A 20060318; CN 200680010680 A 20060318; EP 06707605 A 20060318; EP 2006002508 W 20060318; JP 2008503402 A 20060318; MX 2007012243 A 20060318; TW 95111255 A 20060330; US 39592806 A 20060331