

Title (en)
HERBICIDAL PYRONES

Publication
EP 0513028 A4 19921125 (EN)

Application
EP 91902020 A 19910117

Priority
• AU PJ828390 A 19900122
• AU PJ840990 A 19900201

Abstract (en)
[origin: WO9110658A1] Compounds of formula (2) and isomeric and/or tautomeric forms thereof: wherein A is a C1-C4 alkylene or C3-C4 alkenylene group optionally substituted with 1-4 C1-C3 alkyl substituents; X is O, S, SO, SO₂, NR<10> or a single bond; R<1> is H, or one of a number of specified groups, or M; R<2> is C1-C6 alkyl, or one of a number of other specified groups; R<3> and R<4> are independently H or C1-C4 alkyl; R<5> and R<6> are independently C1-C4 alkyl or one of a number of other specified groups; or, R<5> and R<6> together with the carbon atom to which they are attached form one of a number of specified carbocyclic or heterocyclic rings which may be substituted with specified substituents; R<7>, R<8> and R<9> are independently H or one of a number of specified groups; R<10> is H or one of a number of specified groups; and M is Li<+>, Na<+>, K<+>, NH₄<+>, or N(R<11>)₄<+> where R<11> is C1-C4 alkyl, processes for preparing them, herbicidal and plant growth regulating compositions containing them and methods for regulating the growth of a plant and selectively inhibiting, damaging or killing weed grasses in a broad-leaf crop involving them.

IPC 1-7
C07D 311/96; **C07D 309/32**; **C07D 407/12**; **A61K 31/35**

IPC 8 full level
A01N 43/16 (2006.01); **A01N 43/30** (2006.01); **C07D 309/32** (2006.01); **C07D 311/96** (2006.01); **C07D 407/12** (2006.01)

CPC (source: EP)
A01N 43/16 (2013.01); **A01N 43/30** (2013.01); **C07D 309/32** (2013.01); **C07D 311/96** (2013.01); **C07D 407/12** (2013.01)

Citation (search report)
• [X] PATENT ABSTRACTS OF JAPAN vol. 8, no. 56 (C-214)(1493) 14 March 1984 & JP-A-58 213 775 (SUMITOMO) 12 December 1983
• [X] SYNTHESIS, no. 4, April 1981, Stuttgart, DE, pages 315 - 316; B. CHANTEGREL ET AL.: 'Synthesis of some 1,2-oxazoles bearing a fused heterocyclic ring from alpha-acetylhomotetronic acids'
• See references of WO 9110658A1

Designated contracting state (EPC)
ES FR GR IT

DOCDB simple family (publication)
WO 9110658 A1 19910725; CN 1055931 A 19911106; EP 0513028 A1 19921119; EP 0513028 A4 19921125; KR 927003565 A 19921218

DOCDB simple family (application)
AU 9100019 W 19910117; CN 91101113 A 19910122; EP 91902020 A 19910117; KR 920701726 A 19920722