

Title (en)  
SUBSTITUTED 3-(2'-NITRO PHENOXY)-ALPHA-PHENOXY ALCANOIC ACIDS AND THEIR DERIVATIVES, THEIR PREPARATION AND THEIR USE AS HERBICIDES

Publication  
**EP 0000474 B1 19801126 (DE)**

Application  
**EP 78100218 A 19780622**

Priority  
CH 806877 A 19770630

Abstract (en)  
[origin: EP0000474A1] 1. A 3-(2'-nitrophenoxy)-alpha-phenoxyalkanecarboxylic acid derivative of the general formula I see diagramm : EP0000474,P15,F3 wherein R1 represents hydrogen, C1 -C4 alkyl or C2 -C8 alkoxyalkyl, R2 represents hydrogen or C1 -C4 alkyl, R3 represents halogen, cyano or nitro, R4 represents halogen, cyano or trifluoromethyl, A represents cyano or the group -COB, B represents a radical OR5 , SR6 or NR7 R8 , R5 represents hydrogen or the cation of a base 1/n M\*\*n (anion), wherein M represents an alkali metal or alkaline earth metal cation or an ammonium radical see diagramm : EP0000474,P15,F4 n as integer 1, 2 or 3 corresponds to the valency of the cation, whilst Ra , Rb , Rc and Rd , each independently of the other, represent hydrogen, benzyl or an alkyl radical which is unsubstituted or substituted by -OH, -NH2 or C1 -C4 alkoxy ; and R5 further represents, a C1 -C8 alkyl radical which can be unsubstituted or substituted by halogen, cyano, nitro, hydroxyl or a 5- to 6-membered nitrogen-containing heterocyclic ring system, and a C2 -C8 alkyl radical which can be interrupted by oxygen, sulphur, nitrogen, carbonyl or carbonyloxy, a C3 -C6 cycloalkyl radical, a C3 -C6 alkenyl or alkynyl radical which can be substituted by halogen, a phenyl or benzyl radical which can be substituted by halogen, cyano, nitro, C1 -C4 alkyl, C1 -C4 alkoxy or trifluoromethyl, R6 represents a C1 -C8 alkyl radical which can be substituted by halogen, cyano, nitro or hydroxyl or interrupted by oxygen, sulphur, nitrogen, carbonyl or carbonyloxy, a C3 -C6 cycloalkyl radical, a C3 -C6 alkenyl or alkynyl radical which can be substituted by halogen, a phenyl or benzyl radical which can be substituted by halogen, cyano, nitro, C1 -C4 alkyl, C1 -C4 alkoxy or trifluoromethyl, R7 represents hydrogen, a C1 -C8 alkyl radical which can be substituted by halogen, cyano or hydroxyl, and a C2 -C8 alkyl radical which can be interrupted by oxygen, R8 represents a C1 -C4 alkyl radical or a C3 -C4 alkyl radical, and R7 and R8 , together with the nitrogen atom to which they are attached, also represent a 5- to 6-membered heterocyclic radical which can be interrupted by oxygen, sulphur, an imino, C1 -C4 alkylimino or phenylimino group.

IPC 1-7  
**C07C 79/46; C07C 153/09; A01N 37/10**

IPC 8 full level  
**C07D 295/08** (2006.01); **A01N 39/02** (2006.01); **A01N 43/84** (2006.01); **C07C 67/00** (2006.01); **C07C 201/00** (2006.01); **C07C 205/38** (2006.01); **C07C 205/43** (2006.01); **C07C 231/00** (2006.01); **C07C 235/20** (2006.01); **C07C 253/00** (2006.01); **C07C 255/16** (2006.01); **C07C 255/54** (2006.01); **C07C 313/00** (2006.01); **C07C 323/12** (2006.01); **C07C 325/00** (2006.01); **C07C 327/22** (2006.01)

CPC (source: EP)  
**A01N 39/02** (2013.01); **C07C 205/38** (2013.01); **C07C 205/43** (2013.01); **C07C 327/00** (2013.01)

Cited by  
EP0078536A3; EP0011802A1; EP0012717A1

Designated contracting state (EPC)  
BE CH DE FR GB NL

DOCDB simple family (publication)  
**EP 0000474 A1 19790207; EP 0000474 B1 19801126**; CA 1090367 A 19801125; DE 2860339 D1 19810212; ES 471398 A1 19790201; IL 55029 A0 19780831; IL 55029 A 19820930; IT 7825138 A0 19780629; JP S5416436 A 19790207

DOCDB simple family (application)  
**EP 78100218 A 19780622**; CA 306425 A 19780628; DE 2860339 T 19780622; ES 471398 A 19780629; IL 5502978 A 19780628; IT 2513878 A 19780629; JP 8044678 A 19780630