

Title (en)
SUBSTITUTED ALKENOIC ACIDS AND THEIR DERIVATIVES

Title (de)
SUBSTITUIERTE ALKENSÄUREN UND IHRE DERIVATE

Title (fr)
ACIDES D'ALCENE SUBSTITUES ET LEURS DERIVES

Publication
EP 1015420 A1 20000705 (DE)

Application
EP 98947455 A 19980826

Priority
• DE 19739199 A 19970908
• DE 19829141 A 19980630
• EP 9805406 W 19980826

Abstract (en)
[origin: WO9912892A1] The invention relates to substituted alkenoic acids and their derivatives, said substituted alkenoic acids being of formula (I), wherein R<1> represents hydroxy, amino, alkoxy, alkylamino, dialkylamino, arylalkoxy or arylalkylamino, R<2> represents hydrogen, halogen or alkyl, R<3> represents hydrogen or alkyl, R<4> represents hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl or cycloalkylalkyl, R<5> represents hydrogen, alkyl, alkenyl, alkynyl, cycloalkyl or cycloalkylalkyl, R<6> represents hydrogen or alkyl and Z represents the grouping R<7>-N or the grouping (R<8>)(R<9>)C, R<7> representing hydrogen, hydroxy, amino, alkyl, alkoxy, alkylamino, dialkylamino, alkenyl, alkynyl, alkenyloxy, cycloalkyl, cycloalkyloxy, cycloalkyloxy, cycloalkylamino, cycloalkylalkyl, cycloalkylalkoxy, cycloalkylalkylamino, aryl, aryloxy, arylamino, arylalkyl, arylalkoxy, arylalkylamino, heterocyclyl, heterocyclylamino, heterocyclylalkyl or heterocyclylalkylamino, or one of the following groupings: A<3>-O-N=C(A<2>)-CH(A<1>)-O- or A<3>-O-N=C(A<2>-C(A<1>=N-, A<1> representing hydrogen or alkyl, A<2> representing hydrogen, cyano, alkyl, cycloalkyl or aryl, A<2> representing hydrogen, cyano, alkyl, cycloalkyl or aryl, A<3> representing hydrogen or alkyl, R<8> representing hydrogen, alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, aryl or arylalkyl, and R<9> representing hydrogen, alkyl, alkenyl, cycloalkyl, cycloalkylalkyl, aryl or arylalkyl. The invention also relates to methods for producing the substituted alkenoic acids and their derivatives, and to their use as fungicides.

IPC 1-7
C07C 251/40; **C07C 251/88**; **A01N 37/50**

IPC 8 full level
A01N 37/50 (2006.01); **C07C 43/166** (2006.01); **C07C 49/213** (2006.01); **C07C 69/734** (2006.01); **C07C 69/738** (2006.01); **C07C 249/08** (2006.01); **C07C 251/40** (2006.01); **C07C 251/88** (2006.01); **C07D 319/06** (2006.01); **C07F 7/18** (2006.01)

CPC (source: EP)
C07C 251/40 (2013.01); **C07C 251/88** (2013.01)

Citation (search report)
See references of WO 9912892A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 9912892 A1 19990318; AU 9436998 A 19990329; EP 1015420 A1 20000705; JP 2001518448 A 20011016

DOCDB simple family (application)
EP 9805406 W 19980826; AU 9436998 A 19980826; EP 98947455 A 19980826; JP 2000510704 A 19980826