

Title (en)
THIOCHROMANOYLPYRAZOLONE DERIVATIVES

Title (de)
THIOCHROMANOYLPYRAZOLON-DERIVATE

Title (fr)
DERIVES DE THIOCHROMANOYLPYRAZOLONE

Publication
EP 1135385 A1 20010926 (DE)

Application
EP 99962201 A 19991202

Priority
• DE 19856048 A 19981204
• DE 19857666 A 19981215
• EP 9909396 W 19991202

Abstract (en)
[origin: WO0034270A1] The invention relates to thiochromanoylpyrazolone derivatives of formula (I), wherein the variables have the following meanings: A is an optionally substituted, saturated or unsaturated alkyl chain; R<1> is cyano, rhodano, nitro, OR<4>, SR<5>, SOR<6>, SO₂R<6>, ONR<6>NR<7>, ON=CR<6>R<8>, NR<9>R<10>, P(O)R<11>R<12>, P(S)R<11>R<12>, COR<6>, CO₂R<6>, optionally substituted phenyl or heterocyclyl; R<2> is alkyl, alkyl halide, alkoxy or halogenalkoxy; R<3> is hydrogen, alkyl or halogen; X is oxygen, sulphur, S=O, S(=O)₂, CR<13>R<14>, C=O or C=NR<15>, m is 0, 1 or 2; n is 0, 1, 2, 3 or 4; and R<16> is substituted pyrazol-4-yl-carbonyl or substituted (4,5-dihydro-5-oxo-pyrazol-4-yl)-methylidene; and to their agriculturally useable salts. The invention also relates to a method for producing thiochromanoylpyrazolone derivatives, to products containing them and to the use of these derivatives and products containing them for combating undesirable plants.

IPC 1-7
C07D 409/06; **C07D 409/14**; **A01N 43/56**

IPC 8 full level
A01N 43/56 (2006.01); **C07D 335/06** (2006.01); **C07D 409/06** (2006.01); **C07D 409/14** (2006.01)

CPC (source: EP US)
C07D 409/06 (2013.01 - EP US); **C07D 409/14** (2013.01 - EP US)

Citation (search report)
See references of WO 0034270A1

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)
WO 0034270 A1 20000615; AU 1861600 A 20000626; CA 2353542 A1 20000615; EP 1135385 A1 20010926; JP 2002531559 A 20020924; US 6352959 B1 20020305

DOCDB simple family (application)
EP 9909396 W 19991202; AU 1861600 A 19991202; CA 2353542 A 19991202; EP 99962201 A 19991202; JP 2000586717 A 19991202; US 85705301 A 20010531