

Title (en)
CARBOXYLIC ACID AMIDE BENZOTHIOPHENE-S-OXIDES

Title (de)
BENZOTHIOPHENCARBONSÄUREAMID-S-OXIDE

Title (fr)
BENZOTHIOPHENE-S-OXYDES D'AMIDE D'ACIDE CARBOXYLIQUE

Publication
EP 0699193 A1 19960306 (DE)

Application
EP 94917600 A 19940509

Priority
• DE 4317076 A 19930521
• EP 9401488 W 19940509

Abstract (en)
[origin: CA2163235A1] New benzothiophenecarboxamide S-oxides of the formula (I) (I) in which R1 represents optionally substituted alkyl, or represents alkenyl or alkynyl, or represents in each case optionally substituted cycloalkyl or cycloalkylalkyl, or represents in each case optionally substituted aralkyl, aralkenyl, aralkinyl or aryl and R2 represents hydrogen or optionally substituted alkyl, or R1 and R2 together with the nitrogen atom to which they are bonded represent an optionally substituted heterocycle, R3, R4, R5 and R6 independently of one another in each case represent hydrogen, halogen, cyano, nitro, alkyl, alkoxy, alkylthio, halogenoalkyl, halogenoalkoxy or halogenoalkylthio, and R7 represents hydrogen or halogen, a process for their preparation, and their use as microbicides in plant protection and in the protection of materials. New intermediates for the preparation of substances of the formula (I).

IPC 1-7
C07D 333/70; **A01N 43/12**

IPC 8 full level
C07D 333/54 (2006.01); **A01N 43/12** (2006.01); **C07D 333/70** (2006.01); **C07D 409/12** (2006.01)

CPC (source: EP US)
A01N 43/12 (2013.01 - EP US); **C07D 333/70** (2013.01 - EP US); **C07D 409/12** (2013.01 - EP US)

Citation (search report)
See references of WO 9427986A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
DE 4317076 A1 19941124; AU 6926294 A 19941220; BR 9406684 A 19960206; CA 2163235 A1 19941208; CN 1124487 A 19960612; CZ 307295 A3 19960313; EP 0699193 A1 19960306; FI 955559 A0 19951117; FI 955559 A 19951117; HU 9503309 D0 19960129; JP H09505027 A 19970520; NO 954590 D0 19951114; NO 954590 L 19951114; US 5712304 A 19980127; WO 9427986 A1 19941208

DOCDB simple family (application)
DE 4317076 A 19930521; AU 6926294 A 19940509; BR 9406684 A 19940509; CA 2163235 A 19940509; CN 94192195 A 19940509; CZ 307295 A 19940509; EP 9401488 W 19940509; EP 94917600 A 19940509; FI 955559 A 19951117; HU 9503309 A 19940509; JP 50015295 A 19940509; NO 954590 A 19951114; US 55359395 A 19951114