

Title (en)

USE OF PYRAZOLE DERIVATIVES WITH HYDROPHOBIC GROUPS AS NITRIFICATION INHIBITORS

Title (de)

WERWENDUNG VON PYRAZOLDERIVATEN MIT HYDROPHOBEN RESTEN ALS NITRIFIKATIONSINHIBITOREN

Title (fr)

UTILISATION, SOUS FORME D'INHIBITEURS DE NITRIFICATION, DE DERIVES DE PYRAZOL COMPORTANT DES RADICAUX HYDROPHOBES

Publication

EP 0799168 A1 19971008 (DE)

Application

EP 95942160 A 19951214

Priority

- DE 4446194 A 19941223
- EP 9504953 W 19951214

Abstract (en)

[origin: DE4446194A1] Disclosed is the use as nitrification inhibitors of pyrazole derivatives of formula (I), or salts thereof, in which the groups R<1>-R<4> have the following meanings: R<1>, R<2> and R<3> represent C1-C20 alkyl, C3-C8 cycloalkyl, C5-C20 aryl or alkyl aryl (these four groups can be singly or doubly substituted by a halogen and/or hydroxyl), and halogen, nitro or hydrogen; and R<4> represents either (a) C6-C20 alkyl, one or two hydrogen atoms being optionally substituted by a halogen; or (b) C1-C20 alkyl. In the latter case, 1-4 hydrogen atoms can be substituted by a group of formula (II), in which R<5>, R<6>, and R<7> represent C1-C20 alkyl, C3-C8 cycloalkyl, C5-C20 aryl or alkyl aryl (these four groups can be singly or doubly substituted by a halogen and/or hydroxyl), as well as halogen, nitro or hydrogen; and 1 or two hydrogen atoms are optionally substituted by a halogen.

IPC 1-7

C05G 3/08; **C07D 231/12**

IPC 8 full level

C05G 3/90 (2020.01); **C07D 231/12** (2006.01); **C07D 231/16** (2006.01); **C07D 521/00** (2006.01); **C08J 3/24** (2006.01)

CPC (source: EP)

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Citation (search report)

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