

Title (en)

DIAMINOPYRAZOLE DERIVATIVES AND THEIR USE FOR OXIDATION DYEING OF KERATINOUS FIBRES

Title (de)

DIAMINOPYRAZOLDERIVAT UND IHRE VERWENDUNG FÜR DIE OXIDATIVE FÄRBUNG VON KERATINFASERN

Title (fr)

DERIVES DE DIAMINOPYRAZOLE ET LEUR UTILISATION EN TEINTURE D'OXYDATION DES FIBRES KERATINIQUES

Publication

EP 1339693 A1 20030903 (FR)

Application

EP 01999561 A 20011129

Priority

- FR 0103778 W 20011129
- FR 0015837 A 20001206

Abstract (en)

[origin: WO0246165A1] The invention concerns novel diaminopyrazole derivatives of formula (I), wherein: R1 represents C1-C6 alkyl or C2-C6, preferably up to C4, alkenyl, linear or branched, bearing at least a substituent selected among OR, NHR, NRR', SR, SO2R, COOH, CONH2, CONRR', PO(OH)2, SH, SO3X, a non-cationic heterocycle, Cl, Br or I; X represents H, Na, K or NH4; R and R', identical or different, represent C1-C6 alkyl or C2-C6, preferably up to C4, alkenyl, linear or branched, unsubstituted or substituted by one or several functional groups selected among OH, NH2, OR, NHR, NRR', SR, SOR, SO2R, COOH, CONH2, CONRR', PO(OH)2, SH, SO3X, a non-cationic heterocycle, Cl, Br or I, X, R and R' having the definitions mentioned above; R2 represents H, or C1-C6 alkyl or C2-C6, preferably up to C4, alkenyl, linear or branched, unsubstituted or substituted by one or several functional groups selected among OH, NH2, OR, NHR, NRR', SR, SOR, SO2R, COOH, CONH2, CONRR', PO(OH)2, SH, SO3X, a non-cationic heterocycle, Cl, Br or I, X, R and R' having the definitions mentioned above; and their physiologically acceptable salts, and their use for oxidation dyeing of keratinous fibres, in particular human hair.

IPC 1-7

C07D 231/38; **A61K 7/13**; **C07D 403/06**; **C07D 405/06**

IPC 8 full level

A61K 8/00 (2006.01); **A61K 8/33** (2006.01); **A61K 8/34** (2006.01); **A61K 8/41** (2006.01); **A61K 8/49** (2006.01); **A61Q 5/10** (2006.01); **C07D 231/38** (2006.01); **C07D 403/06** (2006.01); **C07D 405/06** (2006.01); **D06P 3/08** (2006.01)

CPC (source: EP KR US)

C07D 231/38 (2013.01 - EP KR US); **C07D 403/06** (2013.01 - EP US); **C07D 405/06** (2013.01 - EP US)

Citation (search report)

See references of WO 0246165A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0246165 A1 20020613; AR 031774 A1 20031001; AU 2207402 A 20020618; BR 0116190 A 20040225; CN 1478079 A 20040225; EP 1339693 A1 20030903; FR 2817551 A1 20020607; FR 2817551 B1 20050701; JP 2004515495 A 20040527; KR 20030070046 A 20030827; MX PA03005029 A 20030905; US 2004083558 A1 20040506; US 7250063 B2 20070731

DOCDB simple family (application)

FR 0103778 W 20011129; AR P010105625 A 20011204; AU 2207402 A 20011129; BR 0116190 A 20011129; CN 01820037 A 20011129; EP 01999561 A 20011129; FR 0015837 A 20001206; JP 2002547904 A 20011129; KR 20037007496 A 20030604; MX PA03005029 A 20011129; US 43368303 A 20031203