

Title (en)

USE OF DITHIOLS IN A HAIR-PERMING COMPOSITION

Title (de)

VERWENDUNG VON DITHIOLEN IN EINER DAUERWELLZUSAMMENSETZUNG

Title (fr)

UTILISATION DE DITHIOLS DANS UNE COMPOSITION DE DEFORMATION PERMANENTE DES CHEVEUX

Publication

EP 1680077 A2 20060719 (FR)

Application

EP 04742633 A 20040504

Priority

- FR 2004001071 W 20040504
- FR 0305496 A 20030506
- US 47736603 P 20030611

Abstract (en)

[origin: FR2854568A1] Dithiols (I) with a water-solubility of more than 0.1 M are used to reduce keratin disulfide bonds in a reducing composition for deformation of keratinic fibers at pH 5-8.5. Dithiols of formula (I) with a water-solubility of more than 0.1 M are used to reduce keratin disulfide bonds in a reducing composition for deformation of keratinic fibers at pH 5-8.5. HS-A-SH (I) A : a 3-10C linear or cyclic hydrocarbon group that optionally has 1-4C branches, is optionally interrupted by heteroatoms, e.g. S, O, N, Si or P, and is optionally substituted, e.g. with OH, amine, carbamate, carbonate, hydrazine, ether, acid, ester, amide, CN and ureido groups. Independent claims are also included for: (1) permanent deformation of hair by applying a reducing composition as above, shaping the hair, optionally rinsing the hair and applying a fixing composition; (2) cosmetic composition comprising a dithiol of formula (B), (C), (E), (F), (G), (H), (I), (J), (L), (M) or (N); (3) cosmetic composition comprising a compound (I) and a nonionic, anionic, cationic, amphoteric or zwitterionic polymer or surfactant. [Image] [Image] [Image] [Image] [Image] R1>-R6>H, OH, COOH, NH2, 1-10C alkyl, 2-10C alkenyl or 2-10C alkynyl, optionally interrupted by heteroatoms and optionally substituted; X : O, S or NR1>; m : 0 or 1; provided that R1> and R2> in (M) and (N) are not Me if m : 0 and that R3>-R6> in (M) and (N) are not Me unless R1> and R2> are not both H or one is other than Me.

IPC 1-7

A61K 8/60; **A61K 8/46**; **A61Q 5/04**; **A61K 8/44**

IPC 8 full level

A61K 8/46 (2006.01); **A61K 8/60** (2006.01); **A61Q 5/04** (2006.01)

CPC (source: EP US)

A61K 8/46 (2013.01 - EP US); **A61K 8/498** (2013.01 - EP US); **A61K 8/4986** (2013.01 - EP US); **A61K 8/60** (2013.01 - EP US); **A61Q 5/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2004098488A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2854568 A1 20041112; **FR 2854568 B1 20071102**; EP 1680077 A2 20060719; US 2007134185 A1 20070614; WO 2004098488 A2 20041118; WO 2004098488 A3 20041229

DOCDB simple family (application)

FR 0305496 A 20030506; EP 04742633 A 20040504; FR 2004001071 W 20040504; US 55578804 A 20040504