

Title (en)
METHOD AND COMPOSITION FOR RESTRUCTURING KERATIN FIBERS

Title (de)
VERFAHREN UND ZUSAMMENSETZUNG ZUR RESTRUKTURIERUNG KERATINISCHER FASERN

Title (fr)
PROCEDE ET COMPOSITION POUR RESTRUCTURER DES FIBRES KERATINIQUES

Publication
EP 1747045 A1 20070131 (DE)

Application
EP 05731059 A 20050408

Priority
• EP 2005003697 W 20050408
• DE 102004024509 A 20040518

Abstract (en)
[origin: WO2005115315A1] The invention relates to a method for restructuring keratin fibers, whereby a keratin fiber is contacted with (a) an aqueous preparation of at least one polysulfide of formula (I), wherein R<3> represents hydroxy or the group (II), R<4> represents hydrogen or the group (III), A is a bond or a bivalent saturated or mono- or polyunsaturated aliphatic or aromatic hydrocarbon group having 1 to 20 carbon atoms, which can be substituted by one or more halogen, hydroxy or carboxy groups and whereby the shortest bond between the carbonyl groups adjacent to group A consists of up to 12 carbon atoms, and wherein R<1> and R<2> are the same or different and are selected from R<5>-O- and (IV), wherein R<5> represents hydrogen or an alkyl group having 1 to 6 carbon atoms, n is an integer of from 1 to 100, and whereby one or more carboxyl groups may be present in the form of one or more of its/their salts, and, either simultaneously or successively, a reducing agent, and then (b) with an oxidant. The invention also relates to preparations for use in the inventive methods.

IPC 8 full level
A61K 8/64 (2006.01); **A61K 8/22** (2006.01); **A61K 8/23** (2006.01); **A61K 8/44** (2006.01); **A61Q 5/00** (2006.01)

CPC (source: EP US)
A61K 8/22 (2013.01 - EP US); **A61K 8/23** (2013.01 - EP US); **A61K 8/44** (2013.01 - EP US); **A61K 8/64** (2013.01 - EP US); **A61Q 5/00** (2013.01 - EP US); **A61Q 5/12** (2013.01 - EP US); **A61Q 5/004** (2013.01 - EP US)

Citation (search report)
See references of WO 2005115315A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005115315 A1 20051208; WO 2005115315 A8 20070201; AU 2005247069 A1 20051208; DE 102004024509 A1 20051215; DE 102004024509 B4 20060608; EP 1747045 A1 20070131; RU 2006144711 A 20080627; US 2008279803 A1 20081113

DOCDB simple family (application)
EP 2005003697 W 20050408; AU 2005247069 A 20050408; DE 102004024509 A 20040518; EP 05731059 A 20050408; RU 2006144711 A 20050408; US 56935505 A 20050408