

Title (en)

METHOD FOR THE EXTRACTION OF KERATIN FROM DEAD ANIMAL SKINS

Title (de)

VERFAHREN ZUM ENTFERNEN VON HORNSUBSTANZEN AUS HÄUTEN TOTER TIERE

Title (fr)

PROCEDE POUR ENLEVER DE LA CORNE SUR DES PEAUX D'ANIMAUX MORTS

Publication

EP 1687454 A1 20060809 (DE)

Application

EP 04797857 A 20041112

Priority

- EP 2004012850 W 20041112
- DE 10353746 A 20031117

Abstract (en)

[origin: WO2005049870A1] The invention relates to a method for the extraction of keratin from dead animal skins, characterised in the treatment of dead animal skins with a substance of general formula (I), or at least one corresponding alkali metal, earth alkali metal, ammonium, or phosphonium salt, the variables having the following definitions: R<1>, R<4> = together or independently, H, C6-C14 aryl, C1-C12 alkyl, unsubstituted or substituted with one or several SH or OH groups, R<2>, R<3> = together or independently, H, C6-C14 aryl, C1-C12 alkyl, unsubstituted or substituted with one or several SH or OH groups, whereby at least one of R<2> or R<3> is not H, or R<1> and R<4> are not H and two vicinal groups of R<1> to R<4> together may be C3-C10 alkylene, R<5> = H, C1-C12 alkyl, H-C=O or C1-C4-Alkyl-C=O, X<1>, X<2>, X<3> and X<4> = OH, SH or NHR<5>, whereby where R<1> to R<4> contains at least one sulphur atom, at least one of X<1> to X<4> = SH and where R<1> to R<4> contains no sulphur atom, at least two of X<1> to X<4> = SH.

IPC 8 full level

C14C 1/06 (2006.01); **C07C 321/14** (2006.01); **C07C 323/12** (2006.01); **C07C 323/15** (2006.01); **C07C 323/16** (2006.01); **C07C 323/17** (2006.01)

CPC (source: EP US)

C07C 323/12 (2013.01 - EP US); **C07C 323/15** (2013.01 - EP US); **C07C 323/16** (2013.01 - EP US); **C07C 323/17** (2013.01 - EP US); **C14C 1/06** (2013.01 - EP US); **C14C 1/065** (2013.01 - EP US); **C07C 2601/08** (2017.04 - EP US); **C07C 2601/14** (2017.04 - EP US)

Citation (search report)

See references of WO 2005049870A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2005049870 A1 20050602; AR 046930 A1 20060104; BR PI0416389 A 20070221; CN 1882706 A 20061220; DE 10353746 A1 20050609; EP 1687454 A1 20060809; US 2007124868 A1 20070607

DOCDB simple family (application)

EP 2004012850 W 20041112; AR P040104235 A 20041117; BR PI0416389 A 20041112; CN 200480033861 A 20041112; DE 10353746 A 20031117; EP 04797857 A 20041112; US 57971404 A 20041112