

Title (en)

METHOD FOR DYEING KERATINOUS MATERIAL, COMPRISING THE USE OF AN ORGANOSILICON COMPOUND, AN HYDROXYCARBOXYLIC ACID ESTER, A DIOL AND A DYEING COMPOUND

Title (de)

VERFAHREN ZUM FÄRBEN VON KERATINISCHEM MATERIAL, UMFASSEND DIE ANWENDUNG VON EINER SILICIUMORGANISCHEN VERBINDUNG, EINES HYDROXYCARBONSÄUREESTERS, EINES DIOLS UND EINER FARBGEBORENEN VERBINDUNG

Title (fr)

PROCÉDÉ DE TEINTURE DE LA MATIÈRE KÉRATINIQUE, COMPRENANT L'UTILISATION D'UN COMPOSÉ ORGANOSILICIÉ, D'UN ESTER D'ACIDE HYDROXYCARBOXYLIQUE, D'UN DIOL ET D'UN COMPOSÉ COLORANT

Publication

EP 4076359 A1 20221026 (DE)

Application

EP 20793629 A 20201016

Priority

- DE 102019219708 A 20191216
- EP 2020079186 W 20201016

Abstract (en)

[origin: WO2021121723A1] The present invention relates to a method for dyeing keratinous material, in particular human hair, comprising the following steps: - applying an agent (a) to the keratinous material, said agent (a) containing: (a1) at least one organosilicon compound from the group comprising silanes with one, two or three silicon atoms; and (a2) at least one hydroxycarboxylic acid ester; (a3) at least one diol and applying an agent (b) to the keratinous material, said agent (b) containing: (b1) at least one sealing reagent, at least one of the agents (a) and (b) also comprising at least one dyeing compound from the group consisting of pigments and/or direct dyes.

IPC 8 full level

A61K 8/34 (2006.01); **A61K 8/37** (2006.01); **A61K 8/58** (2006.01); **A61Q 5/06** (2006.01)

CPC (source: EP US)

A61K 8/345 (2013.01 - EP US); **A61K 8/37** (2013.01 - EP US); **A61K 8/585** (2013.01 - EP US); **A61Q 5/065** (2013.01 - EP);
A61Q 5/10 (2013.01 - US); **A61K 2800/432** (2013.01 - US); **A61K 2800/884** (2013.01 - EP US); **A61K 2800/95** (2013.01 - US)

Citation (search report)

See references of WO 2021121723A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102019219708 A1 20210617; CN 114845691 A 20220802; EP 4076359 A1 20221026; JP 2023506857 A 20230220;
US 11883518 B2 20240130; US 2023059044 A1 20230223; WO 2021121723 A1 20210624

DOCDB simple family (application)

DE 102019219708 A 20191216; CN 202080086747 A 20201016; EP 2020079186 W 20201016; EP 20793629 A 20201016;
JP 2022536740 A 20201016; US 202017785878 A 20201016