

Title (en)

METHODS AND COMPOSITIONS FOR THE PROTECTION OF HAIR

Title (de)

VERFAHREN UND ZUSAMMENSETZUNGEN ZUM SCHUTZ VON HAAR

Title (fr)

PROCÉDÉS ET COMPOSITIONS POUR LA PROTECTION DES CHEVEUX

Publication

EP 4447922 A1 20241023 (EN)

Application

EP 21844863 A 20211220

Priority

US 2021064289 W 20211220

Abstract (en)

[origin: WO2023121639A1] A method of protecting hair from damage by applying a long-chain unhydrolyzed alkyltrialkoxysilane to hair shafts and then hydrolyzing and polymerizing the alkyltrialkoxysilane to form a non-penetrating outer layer on the hair shaft by utilizing pH adjusted water followed by the application of heat. Alternatively, the alkyltrialkoxysilane may be applied to the hair in combination with an alkyl or alkenyl succinic anhydride prior to the application of heat.

IPC 8 full level

A61K 8/58 (2006.01); **A61K 8/362** (2006.01); **A61Q 5/00** (2006.01)

CPC (source: EP KR)

A61K 8/36 (2013.01 - KR); **A61K 8/362** (2013.01 - EP KR); **A61K 8/365** (2013.01 - KR); **A61K 8/585** (2013.01 - EP KR);
A61Q 5/002 (2013.01 - EP KR); **A45D 7/06** (2013.01 - KR); **A45D 19/0041** (2021.01 - KR); **A61K 2800/95** (2013.01 - EP KR);
A61Q 5/06 (2013.01 - KR)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

WO 2023121639 A1 20230629; CA 3240331 A1 20230629; CN 118475338 A 20240809; EP 4447922 A1 20241023; JP 2024543678 A 20241121;
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