

Title (en)

ANTIPERSPIRANT COSMETIC AGENTS HAVING POLYCARBOXYLIC ACIDS

Title (de)

SCHWEISSEMMENDE KOSMETISCHE MITTEL MIT POLYCARBONSÄUREN

Title (fr)

AGENT COSMÉTIQUE ANTI-TRANSPIRANT COMPRENANT DES ACIDES POLYCARBOXYLIQUES

Publication

**EP 3057565 A2 20160824 (DE)**

Application

**EP 14796685 A 20140926**

Priority

- DE 102013220771 A 20131015
- DE 2014200513 W 20140926

Abstract (en)

[origin: WO2015055196A2] The invention relates to an antiperspirant cosmetic agent, containing a) at least one substance, selected from the group of cosmetic oils that are liquid at 20 °C and 1.013 hPa, aromatic substances, and waxes, b) at least one antiperspirant aluminum salt in a total amount of 1 to 80 wt%, with respect to the total weight of the antiperspirant cosmetic agent, and c) at least one compound of formula (PC-I), wherein G stands for a direct bond, a linear or branched alkyl group having 1 to 10 carbon atoms, or a carbon-carbon double bond, R1, R2, R3, and R4 stand, independently of each other, for hydrogen, a linear or branched alkyl group having 1 to 6 carbon atoms, an alkoxy group having 1 to 10 carbon atoms, -OH, -NH2, or -(CH<sub>2</sub>)<sub>n</sub>COO-X+, with n = 1 to 6, X+ stands for H+, Li+, Na+, K+, NH4+, 1/2 Mg2+, 1/2 Ca2+, 1/2 Mn2+, 1/2 Zn2+, 1/3 Al3+, 1/4 Zr4+, or at least one antiperspirant aluminum salt, and wherein at least one of the groups R2 to R4 stands for -COO-X+ or -(CH<sub>2</sub>)<sub>n</sub>COO-X+, with n = 1 to 6, wherein the addition of the at least one compound of formula (PC-I) results in effective activation of the at least one antiperspirant aluminum salt and in excellent stabilization of this activated state.

IPC 8 full level

**A61K 8/26** (2006.01); **A61K 8/36** (2006.01); **A61K 8/365** (2006.01); **A61Q 15/00** (2006.01)

CPC (source: EP US)

**A61K 8/26** (2013.01 - EP US); **A61K 8/28** (2013.01 - US); **A61K 8/362** (2013.01 - US); **A61K 8/365** (2013.01 - EP US);  
**A61K 8/891** (2013.01 - US); **A61K 8/922** (2013.01 - US); **A61Q 15/00** (2013.01 - EP US); **A61K 2800/52** (2013.01 - US);  
**A61K 2800/596** (2013.01 - US)

Citation (search report)

See references of WO 2015055196A2

Citation (examination)

ZHAO ET AL, J. COLLOID AND INTERFERENCE SCIENCE, vol. 330, 17 October 2008 (2008-10-17), pages 105 - 112

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

DOCDB simple family (publication)

**DE 102013220771 A1 20150416**; EP 3057565 A2 20160824; US 2016206534 A1 20160721; WO 2015055196 A2 20150423;  
WO 2015055196 A3 20150618

DOCDB simple family (application)

**DE 102013220771 A 20131015**; DE 2014200513 W 20140926; EP 14796685 A 20140926; US 201615080074 A 20160324