

Title (en)

BAR SOAP WITH CATIONIC AGENT

Title (de)

SEIFENSTÜCK MIT KATIONISCHEM WIRKSTOFF

Title (fr)

PAIN DE SAVON COMPRENANT UN AGENT CATIONIQUE

Publication

EP 3187576 A1 20170705 (EN)

Application

EP 16203650 A 20161213

Priority

US 201514982823 A 20151229

Abstract (en)

Composition of matter useful for cleaning and method of making thereof. The composition of matter comprising at least 10 wt. % of soap, where the soap is an anionic surfactant, and approximately 0.001 to approximately 1.0 wt. % of a cationic agent.

IPC 8 full level

C11D 9/04 (2006.01); **C11D 10/04** (2006.01); **C11D 1/62** (2006.01); **C11D 3/48** (2006.01)

CPC (source: EP)

C11D 3/48 (2013.01); **C11D 9/04** (2013.01); **C11D 10/047** (2013.01); **C11D 1/62** (2013.01)

Citation (applicant)

- US 3929678 A 19751230 - LAUGHLIN ROBERT GENE, et al
- "Handbook of Detergents Part A: Properties", 1999, article "Anionic-Cationic Surfactant Mixtures"
- "McCutcheon's Emulsifiers and Detergents", 1993, MC PUBLISHING CO., article "McCutcheon Division", pages: 263 - 266
- "McCutcheon's Detergents and Emulsifiers", 1993, MCCUTCHEON DIVISION, MC PUBLISHING CO., pages: 1 - 246,266-
- "CTFA International Cosmetic Ingredient Dictionary", 1991, COSMETIC, TOILETRY AND FRAGRANCE ASSOCIATION, pages: 1 - 651
- "the CTFA Handbook", pages: 86 - 94

Citation (search report)

- [XA] US 3580853 A 19710525 - PARRAN JOHN J JR
- [XA] US 6383999 B1 20020507 - COYLE LAURIE ANN [US], et al
- [A] GB 970955 A 19640923 - BAKER CHEM CO J T

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CN111491602A; US11690833B2; WO2019125792A1

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)

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