

Title (en)

Hard surface cleaning composition

Title (de)

Reinigungszusammensetzung für harte Oberflächen

Title (fr)

Composition de nettoyage de surfaces dures

Publication

EP 2298857 A1 20110323 (EN)

Application

EP 09168534 A 20090825

Priority

EP 09168534 A 20090825

Abstract (en)

A cleaning composition comprising at most two surfactants, wherein at least one surfactant is a quaternary ammonium compound of the formula R1R2R3R4N⁺ wherein R1 is an C10-C16 alkyl, R2, R3, R4 are each H or C1-C3 alkyl or substituted C1-C3 alkyl, and wherein the quaternary ammonium compound is present in an amount of 0.1-10 wt% of the composition and if the composition comprises a non-ionic surfactant, the non-ionic surfactant is present in an amount of less than 3 wt%. A method for cleaning a hard surface comprising treating the hard surface with an effective amount of such a cleaning composition. The use of such a cleaning composition against toughened greasy soil and as a surface pre-treatment composition.

IPC 8 full level

C11D 1/62 (2006.01); **C11D 1/835** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)

C11D 1/62 (2013.01); **C11D 1/835** (2013.01); **C11D 2111/14** (2024.01)

Citation (search report)

- [X] WO 9428108 A1 19941208 - ECOLAB INC [US]
- [X] WO 0194511 A1 20011213 - CLARIANT INT LTD [CH], et al
- [X] US 6345633 B1 20020212 - TARTAKOVSKY ALLA [US], et al
- [X] EP 0605178 A2 19940706 - JEYES GROUP PLC [GB]
- [X] US 5910473 A 19990608 - ALFANO STEFANO [IT], et al
- [X] US 2003050211 A1 20030313 - HAGE RONALD [NL], et al
- [X] WO 0185886 A1 20011115 - COLGATE PALMOLIVE CO [US]

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2298857 A1 20110323

DOCDB simple family (application)

EP 09168534 A 20090825