

Title (en)

Hard surface cleaning composition

Title (de)

Reinigungsmittel für harte Oberflächen

Title (fr)

Composition de nettoyage pour surface dure

Publication

**EP 2853582 A1 20150401 (EN)**

Application

**EP 14186673 A 20140926**

Priority

US 201314039826 A 20130927

Abstract (en)

A hard surface cleaning solution having improved cleaning and descaling properties. In an embodiment, the cleaning solution comprises an organic acid, a surfactant, a solvent and a diluent. The organic acid is a carboxylic acid, preferably lactic acid, while the surfactant is selected from the group consisting amine oxides, and the solvent is an alkoxylated alcohol, preferably selected from the propylene glycol ether class of compounds. The cleaning solutions may also include other components such as colorants, fragrance enhancers, corrosion inhibitors, nonionic surfactants or other additives.

IPC 8 full level

**C11D 1/75** (2006.01); **C11D 3/20** (2006.01); **C11D 3/43** (2006.01)

CPC (source: EP)

**C11D 1/75** (2013.01); **C11D 3/2068** (2013.01); **C11D 3/2079** (2013.01); **C11D 3/2086** (2013.01); **C11D 3/43** (2013.01)

Citation (search report)

- [X1] WO 2012065091 A1 20120518 - GAUDREAU ROSEMARY [US], et al
- [X1] US 2003109395 A1 20030612 - NEUMILLER PHILLIP J [US]

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CN114606075A; EP3118300A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2853582 A1 20150401**; AU 2014233610 A1 20150416; AU 2014233610 B2 20180719; AU 2014233610 B9 20180816; CA 2865327 A1 20150327; CA 2865327 C 20211019; CO 7170025 A1 20150128; EP 3904491 A1 20211103; IN 8033DEN2014 A 20150501; NZ 700483 A 20170127

DOCDB simple family (application)

**EP 14186673 A 20140926**; AU 2014233610 A 20140926; CA 2865327 A 20140926; CO 14213813 A 20140926; EP 21167286 A 20140926; IN 8033DEN2014 A 20140926; NZ 70048314 A 20140926