

Title (en)

LIQUID COMPOSITION FOR CLEANING OF HEAD SURFACES

Title (de)

FLÜSSIGE ZUSAMMENSETZUNG ZUR REINIGUNG VON HARTEN OBERFLÄCHEN

Title (fr)

COMPOSITION LIQUIDE POUR LE NETTOYAGE DE SURFACES DURES

Publication

**EP 2785822 A4 20151216 (EN)**

Application

**EP 12853510 A 20121115**

Priority

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- EP 12151396 A 20120117
- CN 2012084669 W 20121115
- EP 12853510 A 20121115

Abstract (en)

[origin: WO2013078949A1] A liquid composition for cleaning of hard surfaces is provided. The composition combines good abrasive strength with little damage to the surface to be cleaned. The liquid composition comprises surfactant, and a particulate calcium carbonate abrasive composed of acicular particles at a concentration from 2 to 40% based on the total weight of the composition.

IPC 8 full level

**C11D 3/12** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

**C11D 3/1233** (2013.01); **C11D 17/0013** (2013.01)

Citation (search report)

- [Y] EP 0241072 A2 19871014 - UNILEVER NV [NL], et al
- [AD] US 5164172 A 19921117 - KATAYAMA HIROAKI [JP], et al
- [AD] EP 0103325 A1 19840321 - UNILEVER NV [NL], et al
- [A] US 3627480 A 19711214 - BIRCHALL JAMES DEREK
- [E] EP 2758026 A1 20140730 - UNILEVER PLC [GB], et al
- [Y] KELLY D A ET AL: "A new method for measurement of particle abrasivity", WEAR, ELSEVIER SEQUOIA, LAUSANNE, CH, vol. 250, no. 1-12, 1 October 2001 (2001-10-01), pages 76 - 80, XP027471831, ISSN: 0043-1648, [retrieved on 20011001], DOI: 10.1016/S0043-1648(01)00666-4
- See references of WO 2013078949A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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