

Title (en)

Use of aqueous cleaning agent concentrates as detergency boosters for cleaning fine-stoneware tiles

Title (de)

Verwendung von wässrigen Reinigungsmittelkonzentraten als Reinigungsverstärker zur Reinigung von Feinsteinzeugfliesen

Title (fr)

Utilisation de produits de nettoyage aqueux concentrés comme renforceurs de détergence pour le nettoyage de carreaux de grès-cérame fin

Publication

EP 1178106 B1 20040428 (DE)

Application

EP 01117825 A 20010721

Priority

DE 10038198 A 20000804

Abstract (en)

[origin: EP1178106A1] Aqueous detergent concentrate for cleaning rough, especially profiled, floor tiles and slabs, based on nonionic, anionic and amphoteric surfactants and optionally usual ancillaries and additives, contains quaternary alkoxyated amine compounds as cleaning enhancer.

IPC 1-7

C11D 1/62; **C11D 1/65**; **C11D 1/835**; **C11D 1/86**; **C11D 1/94**

IPC 8 full level

C11D 1/62 (2006.01); **C11D 1/02** (2006.01); **C11D 1/65** (2006.01); **C11D 1/66** (2006.01); **C11D 1/835** (2006.01); **C11D 1/86** (2006.01); **C11D 1/88** (2006.01); **C11D 1/94** (2006.01); **C11D 11/00** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP US)

C11D 1/65 (2013.01 - EP US); **C11D 1/835** (2013.01 - EP US); **C11D 1/86** (2013.01 - EP US); **C11D 1/94** (2013.01 - EP US); **C11D 1/62** (2013.01 - EP US); **C11D 2111/24** (2024.01 - EP US)

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EP 1178106 A1 20020206; **EP 1178106 B1 20040428**; AT E265515 T1 20040515; CA 2352865 A1 20020204; DE 10038198 A1 20020221; DE 50102104 D1 20040603; ES 2220633 T3 20041216; JP 2002097491 A 20020402; US 2002169093 A1 20021114; US 6544350 B2 20030408

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