Title (en)

Combined limescale remover and rinser for use in devices and assemblies with metallic, ceramic, glass or plastic surfaces

Title (de)

Kombinierter Entkalker und Klarspüler zur Anwendung in Geräten und Anlagen mit metallischen, keramischen, Glas oder Kunststoff-Oberflächen

Title (fr)

Décalquage et liquide de rinçage combiné à utiliser dans des appareils et des installations dotées de surfaces en métal, en céramique, en verre ou en plastique

Publication

EP 2221357 B1 20190508 (DE)

Application

EP 10000528 A 20100120

Priority

DE 102009009570 A 20090219

Abstract (en)

[origin: EP2221357A1] Composition of decalcifier and rinse aid for devices and systems with metallic-, ceramic-, glass- or plastic-surfaces, comprises at least two fruit acids and a sequestering system that prevents the deposition of calcium on the device surface. An independent claim is included for producing the composition, comprising mixing all solid components of the composition, adding and equally distributing all liquid components of the composition, and optionally granulating or compacting the resulting mixture and preferably pressing the resulting mixture into a tab.

IPC 8 full level

C11D 7/26 (2006.01); C11D 3/06 (2006.01); C11D 3/20 (2006.01); C11D 3/37 (2006.01); C11D 7/16 (2006.01); C11D 11/00 (2006.01); C11D 17/00 (2006.01)

CPC (source: EP)

C11D 3/06 (2013.01); C11D 3/2082 (2013.01); C11D 3/2086 (2013.01); C11D 3/3761 (2013.01); C11D 7/16 (2013.01); C11D 7/265 (2013.01); C11D 17/0073 (2013.01); C11D 2111/14 (2024.01); C11D 2111/16 (2024.01); C11D 2111/18 (2024.01); C11D 2111/20 (2024.01); C11D 2111/24 (2024.01)

Cited by

US2008293605A1; DE102014000212A1; EP2894216A3; DE102014000212B4; DE102014102572A1; DE102017113371A1; US9920282B2; DE102017113372A1

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 2221357 A1 20100825; **EP 2221357 B1 20190508**; ES 2729417 T3 20191104; PL 2221357 T3 20190830

DOCDB simple family (application)

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