

Title (en)

LOW FOAMING SOLID CLEANING COMPOSITION

Title (de)

SCHWACH SCHÄUMENDE FESTE REINIGUNGSZUSAMMENSETZUNG

Title (fr)

COMPOSITION DE NETTOYAGE SOLIDE À FAIBLE POUVOIR MOUSSANT

Publication

EP 4118172 B1 20230927 (EN)

Application

EP 21708661 A 20210303

Priority

- IN 202021010283 A 20200311
- EP 20170764 A 20200422
- EP 2021055349 W 20210303

Abstract (en)

[origin: WO2021180546A1] The present invention is in the field of solid cleaning composition having good cleaning characteristics in the main wash, yet significant foam reduction during rinse. It is an object of the invention to provide total foam reduction during the first rinse. It has been found that this object is achieved in cleaning processes by a solid cleaning composition comprising specific anionic surfactant, water soluble alkyl carboxylate salt of C8 to C18 fatty acid and a nonionic surfactant and where the solid cleaning composition has a carbonate builder.

IPC 8 full level

C11D 1/83 (2006.01); **C11D 1/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/28** (2006.01); **C11D 1/72** (2006.01); **C11D 3/00** (2006.01); **C11D 3/10** (2006.01); **C11D 10/04** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)

C11D 1/83 (2013.01); **C11D 3/0026** (2013.01); **C11D 3/10** (2013.01); **C11D 10/042** (2013.01); **C11D 10/045** (2013.01); **C11D 17/06** (2013.01); **C11D 1/04** (2013.01); **C11D 1/146** (2013.01); **C11D 1/28** (2013.01); **C11D 1/72** (2013.01)

Citation (opposition)

Opponent : Henkel AG & Co. KGaA

- DE 2243306 A1 19740321 - HENKEL & CIE GMBH
- WO 9628529 A1 19960919 - PROCTER & GAMBLE [US], et al
- WO 9855568 A1 19981210 - HENKEL KGAA [DE], et al

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2021180546 A1 20210916; BR 112022018106 A2 20221025; CN 115279877 A 20221101; EP 4118172 A1 20230118; EP 4118172 B1 20230927; ZA 202208765 B 20240131

DOCDB simple family (application)

EP 2021055349 W 20210303; BR 112022018106 A 20210303; CN 202180020622 A 20210303; EP 21708661 A 20210303; ZA 202208765 A 20220803