

Title (en)

USE OF A COMBINATION OF A COMPLEXING AGENT AND A SURFACTANT FOR IMPROVING RINSING POWER

Title (de)

EINSATZ EINER KOMBINATION AUS KOMPLEXBILDNER UND TENSID ZUR VERBESSERUNG DER KLARSPÜLLEISTUNG

Title (fr)

UTILISATION D'UNE COMBINAISON D'UN AGENT COMPLEXANT ET D'UN TENSIOACTIF POUR AMÉLIORER L'EFFICACITÉ DE RINÇAGE

Publication

EP 3325592 B1 20210324 (DE)

Application

EP 16741026 A 20160720

Priority

- DE 102015213938 A 20150723
- EP 2016067267 W 20160720

Abstract (en)

[origin: WO2017013162A1] The invention relates to a solid, multiphase dishwashing detergent comprising at least two phases and to the use of said dishwashing detergent, and to a method for cleaning dishes using said dishwashing detergent. The first phase is a solid, compacted phase. The second phase is a melt core, comprising at least one surfactant, in particular a non-ionic surfactant, in an amount of from 1 to 90 wt.-% relative to the total weight of the melt core, and at least one complexing agent from the group of the aminocarboxylic acids and their salts, in an amount of from 1 to 90 wt.-% relative to the total weight of the melt core.

IPC 8 full level

C11D 1/66 (2006.01); **C11D 3/33** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP US)

C11D 1/66 (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/721** (2013.01 - EP US); **C11D 3/33** (2013.01 - EP US); **C11D 17/0078** (2013.01 - EP US); **C11D 17/0091** (2013.01 - EP US); **C11D 3/386** (2013.01 - US); **C11D 3/3905** (2013.01 - US); **C11D 3/395** (2013.01 - US); **C11D 3/50** (2013.01 - US); **C11D 2111/14** (2024.01 - EP US)

Citation (opposition)

Opponent : Reckitt Benckiser Finish B.V.

- WO 2015086410 A1 20150618 - HENKEL AG & CO KGAA [DE]
- WO 2015014817 A1 20150205 - HENKEL AG & CO KGAA [DE]
- WO 2014184280 A1 20141120 - UNILEVER NV [NL], et al
- US 2014228271 A1 20140814 - EITING THOMAS [DE], et al
- US 2008300159 A1 20081204 - SEEBECK TANJA [DE], et al
- WO 2007052004 A1 20070510 - RECKITT BENCKISER NV [NL], 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)

DE 102015213938 A1 20170126; EP 3325592 A1 20180530; EP 3325592 B1 20210324; US 2018142191 A1 20180524; WO 2017013162 A1 20170126

DOCDB simple family (application)

DE 102015213938 A 20150723; EP 16741026 A 20160720; EP 2016067267 W 20160720; US 201815876700 A 20180122