

Title (en)
MULTIPHASE DISHWASHING DETERGENT COMPRISING A SURFACTANT CORE

Title (de)
MEHRPHASIGES GESCHIRRRSPÜLMITTEL UMFASSEND EINEN TENSID-KERN

Title (fr)
PRODUIT POUR LAVE-VAISSELLE MULTIPHASE À NOYAU TENSIOACTIF

Publication
EP 3325591 B1 20200902 (DE)

Application
EP 16741024 A 20160720

Priority
• DE 102015213939 A 20150723
• EP 2016067265 W 20160720

Abstract (en)
[origin: WO2017013161A1] 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 of the dishwashing detergent is a solid, compacted phase. The second phase is a surfactant melt comprising 10 - 100 wt.-% of surfactants, preferably non-ionic surfactants.

IPC 8 full level
C11D 1/66 (2006.01); **C11D 1/72** (2006.01); **C11D 1/825** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)
C11D 1/66 (2013.01); **C11D 1/825** (2013.01); **C11D 17/0078** (2013.01); **C11D 17/0091** (2013.01); **C11D 1/72** (2013.01); **C11D 1/721** (2013.01); **C11D 2111/14** (2024.01)

Citation (opposition)
Opponent : Reckitt Benckiser Finish B.V.
• EP 1642961 A1 20060405 - UNILEVER NV [NL], et al
• US 5877134 A 19990302 - SCHEPER WILLIAM MICHAEL [US], et al
• GB 2340842 A 20000301 - PROCTER & GAMBLE [US]
• WO 2009071311 A1 20090611 - DALLI WERKE GMBH & CO KG [DE], et al
• EP 1239029 B1 20050831 - UNILEVER PLC [GB], 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 102015213939 A1 20170126; EP 3325591 A1 20180530; EP 3325591 B1 20200902; PL 3325591 T3 20210308;
WO 2017013161 A1 20170126

DOCDB simple family (application)
DE 102015213939 A 20150723; EP 16741024 A 20160720; EP 2016067265 W 20160720; PL 16741024 T 20160720