

Title (en)
AUTOMATIC DISHWASHING TABLET

Title (de)
MASCHINELLE GESCHIRRSPÜLMITTELTABLETTE

Title (fr)
TABLETTE DE DÉTERGENT POUR LAVE-VAISSELLE

Publication
EP 2358855 B1 20150819 (DE)

Application
EP 09768354 A 20091201

Priority
• EP 2009066101 W 20091201
• DE 102008060469 A 20081205

Abstract (en)
[origin: WO2010063689A1] Single or multiphase phosphate-free detergent or cleaning agent tablets, characterized in that the phase, or one of the phases, comprises, based on the overall weight of the phase, a) 15 to 89.8 wt % sodium carbonate and/or sodium hydrogen carbonate, b) 10 to 84.8 wt % citrate, c) 0.05 to 20 wt % of a wash-activated/cleaning-activated polymer, and is free of bleaching agents and comprises less than 1 wt % of citric acid based on the overall weight of the phase, are characterized by ease of manufacturability and good re-hardening characteristics.

IPC 8 full level
C11D 3/10 (2006.01); **C11D 3/20** (2006.01); **C11D 3/37** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)
C11D 3/10 (2013.01); **C11D 3/2086** (2013.01); **C11D 3/3761** (2013.01); **C11D 3/3769** (2013.01); **C11D 3/378** (2013.01); **C11D 3/3796** (2013.01); **C11D 17/0073** (2013.01); **C11D 17/0078** (2013.01)

Citation (opposition)
Opponent : Dalli-Werke GmbH & Co. KG
• WO 2009024780 A1 20090226 - RECKITT BENCKISER NV [NL], et al
• WO 9958633 A1 19991118 - UNILEVER PLC [GB], et al
• WO 0224848 A2 20020328 - RECKITT BENCKISER INC [US], et al
• WO 0049128 A1 20000824 - HENKEL KGAA [DE]
• EP 1491621 A1 20041229 - DALLI WERKE GMBH & CO KG [DE]
• EP 1043389 A1 20001011 - DALLI WERKE [DE]
• WO 2008119834 A1 20081009 - HENKEL AG & CO KGAA [DE], et al
• EP 0835825 A2 19980415 - BOSCH GMBH ROBERT [DE]
• US 2003203825 A1 20031030 - AUBAY ERIC [US]
• US 2003083223 A1 20030501 - AUBAY ERIC [FR], et al
• WO 0105922 A1 20010125 - RHODIA CHIMIE SA [FR], et al
• WO 9905248 A1 19990204 - UNILEVER PLC [GB], et al
• US 6410500 B1 20020625 - HAERER JUERGEN [DE], et al
• DE 102007013141 A1 20080918 - COGNIS IP MAN GMBH [DE]
• WO 0066701 A1 20001109 - HENKEL KGAA [DE]

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)
DE 102008060469 A1 20100610; EP 2358855 A1 20110824; EP 2358855 B1 20150819; EP 2358855 B2 20211006; ES 2549479 T3 20151028; ES 2549479 T5 20220217; PL 2358855 T3 20160129; PL 2358855 T5 20211122; WO 2010063689 A1 20100610

DOCDB simple family (application)
DE 102008060469 A 20081205; EP 09768354 A 20091201; EP 2009066101 W 20091201; ES 09768354 T 20091201; PL 09768354 T 20091201