

Title (en)

MACHINE DISHWASHER DETERGENT

Title (de)

MASCHINELLES GESCHIRRSPÜLMITTEL

Title (fr)

DÉTERGENTS POUR LAVE-VAISSELLE

Publication

**EP 2358853 A1 20110824 (DE)**

Application

**EP 09764241 A 20091201**

Priority

- EP 2009066102 W 20091201
- DE 102008060471 A 20081205

Abstract (en)

[origin: WO2010063690A1] Machine dishwasher detergents comprising builder(s), enzyme(s), and a) a nonionic surfactant A of the general formula R1O(AlkO)xM(OAlk)yOR2 in which: R1 and R2 are each independently a branched or unbranched, saturated or unsaturated, optionally hydroxylated alkyl radical having 4 to 22 carbon atoms; Alk is a branched or unbranched alkyl radical having 2 to 4 carbon atoms; x and y are each independently values from 1 to 70; and M is an alkyl radical from the group of CH2, CHR3, CR3R4, CH2CHR3 and CHR3CHR4, where R3 and R4 are each independently a branched or unbranched, saturated or unsaturated alkyl radical having 1 to 18 carbon atoms, b) a nonionic surfactant B different than the nonionic surfactant A; c) an anionic copolymer C, are notable for an improved drying and rinsing outcome.

IPC 8 full level

**C11D 1/72** (2006.01); **C11D 1/825** (2006.01); **C11D 3/37** (2006.01); **C11D 3/386** (2006.01)

CPC (source: EP US)

**C11D 1/825** (2013.01 - EP US); **C11D 3/3757** (2013.01 - EP US); **C11D 3/378** (2013.01 - EP US); **C11D 3/386** (2013.01 - EP US);  
**C11D 1/721** (2013.01 - EP US)

Citation (search report)

See references of WO 2010063690A1

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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US 2011232692 A1 20110929; US 8349784 B2 20130108; WO 2010063690 A1 20100610

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