

Title (en)
CAST MULTILAYERED DETERGENTS

Publication
EP 0224136 A3 19880309 (DE)

Application
EP 86115766 A 19861113

Priority
DE 3541153 A 19851121

Abstract (en)
[origin: US4828745A] A block-form detergent composition for dishwashing machines based on alkali metal metasilicates, pentaalkali metal triphosphates, active chlorine compound, and surfactant. The block-form detergent composition comprises a cold water-soluble layer (1) comprising alkali metal metasilicates, and a warm water-soluble layer (2) comprising alkali metal metasilicates and pentaalkali metal triphosphate. The layer (1) and layer (2) are formed as separate melts, one melt is poured into a mold to cool and partially solidify, and the other melt added to the mold whereby the layers fuse to each other. In use, the layer (1) and layer (2) have different dissolving rates in the time-temperature program of the dishwashing machines.

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CPC (source: EP US)
C11D 3/06 (2013.01 - EP US); **C11D 3/08** (2013.01 - EP US); **C11D 17/0052** (2013.01 - EP US)

Citation (search report)
• [AD] EP 0003769 A1 19790905 - ECONOMICS LAB [US]
• [A] EP 0000076 A1 19781220 - PROCTER & GAMBLE [US]
• [A] DE 1617088 A1 19710225 - FMC CORP

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US5900395A; EP0361380A3; EP0851023A3; EP0245760A3; GB2358405A; GB2358405B; EP2754708A1; EP3275991A1; WO2009021784A1; WO9935230A1

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