

Title (en)

DETERGENTS

Title (de)

REINIGUNGSMITTEL

Title (fr)

AGENTS DE LAVAGE

Publication

EP 1917342 A2 20080507 (DE)

Application

EP 06777028 A 20060823

Priority

- EP 2006008271 W 20060823
- DE 102005041709 A 20050902
- DE 102006028750 A 20060620

Abstract (en)

[origin: WO2007025665A2] Disclosed are combination products comprising a packaging means and two separate liquid detergents A and B located in said packaging means. Detergent A contains 10 to 75 percent by weight of detergent builder/s, 0.1 to 10 percent by weight of enzymes, and 24.9 to 89.9 percent of water while detergent B contains 10 to 75 percent by weight of detergent builder/s and 25 to 90 percent by weight of water. The inventive combination products are characterized in that liquid detergent A has a pH value (20°C) ranging from 6 to 9 while liquid detergent B has a pH value (20°C) ranging from 9 to 14. Neither detergent A nor detergent B contains more than two percent by weight of a bleaching agent. Compared to conventional dishwashing agents, the inventive combination products are characterized by improved cleaning power, especially on bleachable dirt.

IPC 8 full level

C11D 17/04 (2006.01); **C11D 3/30** (2006.01); **C11D 3/386** (2006.01); **C11D 3/43** (2006.01); **C11D 7/32** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP US)

A47L 15/4214 (2013.01 - US); **C11D 3/30** (2013.01 - EP US); **C11D 3/386** (2013.01 - EP US); **C11D 3/43** (2013.01 - EP US);
C11D 7/3209 (2013.01 - EP US); **C11D 7/3218** (2013.01 - EP US); **C11D 17/041** (2013.01 - EP US); **C11D 17/043** (2013.01 - EP US);
C11D 2111/44 (2024.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007025665 A2 20070308; WO 2007025665 A3 20070503; EP 1917342 A2 20080507; EP 1917342 B1 20121024;
EP 1917342 B8 20130515; ES 2395044 T3 20130207; PL 1917342 T3 20130329; US 2009165821 A1 20090702; US 2013146101 A1 20130613;
US 8920576 B2 20141230

DOCDB simple family (application)

EP 2006008271 W 20060823; EP 06777028 A 20060823; ES 06777028 T 20060823; PL 06777028 T 20060823; US 201313772431 A 20130221;
US 6470006 A 20060823