

Title (en)  
Detergent Compositions

Title (de)  
Waschmittelzusammensetzungen

Title (fr)  
Compositions de lavage

Publication  
**EP 1726636 B2 20161123 (EN)**

Application  
**EP 06110531 A 20060228**

Priority  
• EP 05251269 A 20050303  
• EP 06110531 A 20060228

Abstract (en)  
[origin: EP1726636A1] Detergent compositions containing high efficiency lipase enzymes and specific detergent formulations comprising a high reserve alkalinity, greater than 6.5, and a bleaching agent comprising hydrogen peroxide source and peracid or precursor thereof such that the Avox to peracid ratio is 1:1 to 35:1, enables control of diacyl peroxide formation. Preferred formulations comprise surfactants selected from alkyl benzene sulphonates in combination with alky ethoxylated sulfates or MES or non-ionic surfactants.

IPC 8 full level  
**C11D 3/386** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01)

CPC (source: EP)  
**C11D 3/38627** (2013.01); **C11D 3/38636** (2013.01); **C11D 3/3942** (2013.01); **C11D 3/3945** (2013.01)

Citation (opposition)  
Opponent :  
• WO 2004099357 A1 20041118 - LION CORP [JP], et al  
• EP 1621605 A1 20060201 - CIBA SC HOLDING AG [CH]  
• EP 1693439 A1 20060823 - PROCTER & GAMBLE [US]  
• EP 1693449 A1 20060823 - OSAKA IND PROMOTION ORG [JP]  
• EP 1661977 A1 20060531 - PROCTER & GAMBLE [US]  
• US 5534179 A 19960709 - MIRACLE GREGORY SCOT [US], et al

Cited by  
EP3587544A1; US7786067B2; WO2014200658A1; WO2014200656A1; WO2014204596A1; US11661568B2; WO2010119342A1; WO2007087258A3; WO2020006056A1; US9783766B2; US10557106B2; WO2017173324A2; WO2017173190A2; WO2015050723A1; WO2015077126A1; US10280386B2; US11053459B2; US11731889B2; US8022027B2; WO2014200657A1; WO2015050724A1; US10870818B2; US11193093B2

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

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**EP 1726636 A1 20061129; EP 1726636 B1 20121121; EP 1726636 B2 20161123**

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