

## Title (en)

Detergent composition and method for its preparation

## Title (de)

Waschmittelzusammensetzung und Verfahren zu seiner Herstellung

## Title (fr)

Composition détergente et méthode pour sa fabrication

## Publication

**EP 0586323 B2 20051102 (EN)**

## Application

**EP 93500108 A 19930720**

## Priority

- EP 93500108 A 19930720
- EP 92500092 A 19920720

## Abstract (en)

[origin: EP0586323A1] Detergent composition comprising the compounds represented by the formula (I) + (II) wherein the weight ratio of mono, di and tri-ester is 46-90/9-30/1-15, <CHEM> wherein: - "B" represents "H" or the group represented by <CHEM> provided that R represents alkyl or alkenyl group having C6-22. R' represents H or CH3, and each of n, m and 1 independently represents an integer from 0 to 40; being m+n+1=2-100 preferably 9-19. The new detergent composition shows outstanding biodegradable, non-toxic, non-irritant performance, foam stability and better dye inhibition transfer maintaining and even improving detergency.

## IPC 1-7

**C11D 1/74**

## IPC 8 full level

**C11D 1/74** (2006.01)

## CPC (source: EP)

**C11D 1/74** (2013.01)

## Citation (opposition)

## Opponent :

- BE 866868 A 19781109 - ASHLAND OIL INC
- DE 2024051 C3 19860507
- IV. Internationale Tagung über Grenzflächenaktive Stoffe, Berlin, 1974 - Abhandlung der Akademie der Wissenschaft der DDR, Jahrgang 1976, Nr. 1N, Akademie Verlag Berlin, 1977, pp. 119-121
- Technical brochure "Cetiol HE", Henkel KGaA, April 1980

## Cited by

EP2497844A1; EP4442327A1; WO2012120143A1; JP2014528922A; US2016222319A1; US5731281A; GR1003582B; US5599785A; ES2185497A1; US5716925A; ES2293825A1; US5741760A; US5861367A; US5549840A; US5767050A; US5854193A; US5593958A; US6017868A; US5776880A; US5759983A; EP0684302A1; EP0668346A1; EP1600532A1; CN105555938A; JP2016535153A; US5476614A; EP0702079A3; EP1045021A1; USRE38639E; EP0707059A3; CN103764611A; US6544938B1; EP2666848A1; US11505746B2; WO2015040362A1; WO2013024363A1; WO9825455A1; WO9514765A1; WO9906507A1; WO9928424A1; WO9859031A1; WO9622347A1; WO9523204A1; US6265373B1; US9181393B2; EP0660872A1; EP2202219A1; WO2010072810A1; US10045529B2; US9663431B2; WO2018085064A1; US11136528B2; WO9629389A1; WO9626262A1; WO2018111746A1

## Designated contracting state (EPC)

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**EP 0586323 A1 19940309; EP 0586323 B1 19960410; EP 0586323 B2 20051102;** AT E136579 T1 19960415; DE 69302151 D1 19960515; DE 69302151 T2 19961205; DE 69302151 T3 20060614; ES 2088254 T3 19960801; ES 2088254 T5 20060416

## DOCDB simple family (application)

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