

Title (en)

Optimised wash and cleaning compositions for an improved bleaching effect at low temperatures

Title (de)

Optimiertes Wasch- und Reinigungsmittelsystem für eine verbesserte Bleichwirkung bei niedrigeren Temperaturen

Title (fr)

Compositions de lavage et nettoyage optimisées pour un effet amélioré de blanchiment à basse température

Publication

EP 1433839 B2 20150401 (DE)

Application

EP 02028958 A 20021224

Priority

EP 02028958 A 20021224

Abstract (en)

[origin: EP1433839A1] Detergent composition comprises tetraacetyl ethylenediamine (TAED) and another bleach activator, where the TAED is formulated to give slow peracetic acid release.

IPC 8 full level

C11D 3/39 (2006.01)

CPC (source: EP)

C11D 3/3917 (2013.01); **C11D 3/3925** (2013.01)

Citation (opposition)

Opponent :

- EP 0106634 A1 19840425 - PROCTER & GAMBLE [US]
- US 5928929 A 19990727 - OUTTRUP HELLE [DK], et al
- WO 9528465 A1 19951026 - PROCTER & GAMBLE [US], et al
- WO 0212425 A1 20020214 - HENKEL KGAA [DE], et al

Cited by

WO2014139577A1; WO2008098921A1; GB2607585A; WO2022253728A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1433839 A1 20040630; **EP 1433839 B1 20070912**; **EP 1433839 B2 20150401**; AT E373073 T1 20070915; DE 50210897 D1 20071025; DK 1433839 T3 20080121; DK 1433839 T4 20150615; ES 2290242 T3 20080216; ES 2290242 T5 20150713

DOCDB simple family (application)

EP 02028958 A 20021224; AT 02028958 T 20021224; DE 50210897 T 20021224; DK 02028958 T 20021224; ES 02028958 T 20021224