

Title (en)

LOW-TEMPERATURE DETERGENT

Publication

EP 0364739 A3 19900523 (DE)

Application

EP 89117104 A 19890915

Priority

DE 3832589 A 19880924

Abstract (en)

[origin: WO9003423A1] New washing agents contain an alkoxypropylamine of formula (III), preferably in amounts of 0.1 to 10 wt. %, as well as anionic or non-ionic tensides and other washing agent additives. The addition of the amine improves the detergent power against recalcitrant stains, particularly at low temperatures.

IPC 1-7

C11D 1/44; **C11D 1/40**; **C11D 3/395**

IPC 8 full level

C11D 1/40 (2006.01); **C11D 1/44** (2006.01)

CPC (source: EP)

C11D 1/40 (2013.01); **C11D 1/44** (2013.01)

Citation (search report)

- [X] EP 0094655 A2 19831123 - HOECHST AG [DE]
- [X] EP 0085933 A2 19830817 - HOECHST AG [DE]
- [A] DE 2835984 A1 19790322 - TEXACO DEVELOPMENT CORP

Cited by

US6260561B1

Designated contracting state (EPC)

ES

DOCDB simple family (publication)

WO 9003423 A1 19900405; DE 3832589 A1 19900329; DK 52491 A 19910322; DK 52491 D0 19910322; EP 0364739 A2 19900425; EP 0364739 A3 19900523; EP 0435903 A1 19910710

DOCDB simple family (application)

EP 8901074 W 19890915; DE 3832589 A 19880924; DK 52491 A 19910322; EP 89117104 A 19890915; EP 89910443 A 19890915