

Title (en)

Antiredeposition agents.

Title (de)

Mittel mit Anti-Wiederablagerungseigenschaften.

Title (fr)

Agents ayant des propriétés empêchant le redépôt.

Publication

**EP 0035478 A1 19810909 (EN)**

Application

**EP 81850004 A 19810112**

Priority

SE 8001698 A 19800305

Abstract (en)

The disclosure relates to an antiredeposition agent to be used in detergents. The antiredeposition agent consists of a low-molecular, multi-functional ester having from 1 to 6, preferably from 1 to 3 acid units which are esterified with alcohol units. The ratio of the ester between free hydroxyl and carboxyl groups is 2-30, preferably 5-15. This is attained in that the ester contains 1-3, preferably 2-3 free hydroxyl groups/mol and 0.1-0.5, preferably 0.2-0.4 free carboxyl groups/mol. The acid units of the ester are preferably formed from phthalic acid anhydride, isophthalic acid, adipic acid, maleic acid and trimellitic acid, or mixtures thereof. The alcohol units of the ester are preferably formed from ethylene glycol, 1,2-propanediol and diethylene glycol, or mixtures thereof.

IPC 1-7

**C11D 1/72**; C07C 69/07; C07C 67/08

IPC 8 full level

**C11D 3/00** (2006.01); **C11D 3/20** (2006.01); **D06M 13/02** (2006.01); **D06M 13/144** (2006.01); **D06M 13/224** (2006.01)

CPC (source: EP)

**C11D 3/0036** (2013.01); **C11D 3/2093** (2013.01)

Cited by

EP3424976A1; CN110832005A; CN110869480A; WO2019007636A1; WO2015195960A1; US9714403B2; US10190079B2; WO2015195777A1; US9771548B2; US10221378B2; US11015150B2; EP3919599A1; WO2019008036A1; WO2019008035A1; WO2015095358A1; US9957334B2; US10323102B2; US10800860B2; EP3789407A1; US10005850B2; US10865254B2; EP4163305A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0035478 A1 19810909**; JP S56129299 A 19811009; SE 8001698 L 19810906

DOCDB simple family (application)

**EP 81850004 A 19810112**; JP 1678981 A 19810206; SE 8001698 A 19800305