

Title (en)

SOFTENER COMPOSITIONS HAVING HIGH HYDROLYTIC STABILITY AND CONCENTRATIBILITY

Title (de)

WEICHMACHERZUSAMMENSETZUNGEN MIT HOHER HYDROLYSE- UND KONZENTRIERTEN-BESTÄNDIGKEIT

Title (fr)

COMPOSITIONS ADOUCISSANTES A STABILITE HYDROLYTIQUE ET POUVOIR DE CONCENTRATION ELEVES

Publication

EP 1171558 A1 20020116 (EN)

Application

EP 00916661 A 20000324

Priority

- US 0007970 W 20000324
- US 12638599 P 19990326

Abstract (en)

[origin: WO0058427A1] The invention relates to new formulations comprising esterquats and amides, and their use in detergent, fabric softening, dryer sheets, personal care applications and cleaners having improved hydrolytic stability and concentrability. The invention also relates to an improved process for making these formulations where unreacted fatty acid used in the esterification step is reacted with an amine to form the amide in situ. This improved process offers the advantages of reducing total reaction time, providing an amide that stabilizes the formulation and eliminating free fatty acid that can hurt the stability of the formulation.

IPC 1-7

C11D 1/645; **C11D 3/00**

IPC 8 full level

C11D 1/645 (2006.01); **C11D 3/00** (2006.01); **C11D 1/52** (2006.01); **C11D 1/62** (2006.01)

CPC (source: EP)

C11D 1/645 (2013.01); **C11D 3/0015** (2013.01); **C11D 1/523** (2013.01); **C11D 1/526** (2013.01); **C11D 1/62** (2013.01)

Citation (search report)

See references of WO 0058427A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

WO 0058427 A1 20001005; AU 3773100 A 20001016; EP 1171558 A1 20020116

DOCDB simple family (application)

US 0007970 W 20000324; AU 3773100 A 20000324; EP 00916661 A 20000324