

Title (en)  
QUATERNARY ALKYLAMIDOBETAIN ESTERS, PROCESS FOR THEIR PREPARATION AND THEIR USE AS LAUNDRY SOFTENING AGENTS

Publication  
**EP 0192145 A3 19870318 (DE)**

Application  
**EP 86101631 A 19860208**

Priority  
DE 3505269 A 19850215

Abstract (en)  
[origin: EP0192145A2] The quaternary alkylamidobetaine esters are described by the formula (I) <IMAGE> in which the substituents have the following meanings: R<1>, R<5>, independently of one another, are (C12-C30) alkyl or (C12-C30) alkenyl; R<2> is H or CH3; R<3>, R<4>, independently of one another, are (C1-C3) alkyl; y is an integer from 0 to 10 and x is 1 or 2. These compounds are prepared by heating omega -dialkylamino(alkoxy)propylamides of fatty acids of the formula (II), if desired in the presence of an organic solvent (e.g. an alcohol), with chloroalkanoic esters of fatty alcohols of the formula (III) <IMAGE> These compounds are preferably used in liquid laundry softening agents present as a solution or dispersion in which they are distinguished, apart from the advantage of a soft handle of the laundry treated therewith, by particularly good solution and dispersion properties, thus making it possible to produce even concentrated formulations.

IPC 1-7  
**C07C 103/70**; **C07C 103/54**; **C11D 1/62**

IPC 8 full level  
**C07C 233/18** (2006.01); **C07C 233/20** (2006.01); **C07C 233/36** (2006.01); **C07C 233/38** (2006.01); **C11D 1/62** (2006.01)

CPC (source: EP)  
**C11D 1/62** (2013.01)

Citation (search report)  
[X] DE 2708823 A1 19771103 - DYK & CO INC VAN

Cited by  
EP0557835A3; EP1099689A3; EP0799885A1; FR2639635A1; BE1003463A4; US5476597A; US5580481A; EP4202025A1; US10604724B2; US9909086B2; US7056878B2; US11339353B2; US10723978B2; WO03089558A1; US10836980B2

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0192145 A2 19860827**; **EP 0192145 A3 19870318**; BR 8600628 A 19861029; DE 3505269 A1 19860821; ES 551940 A0 19870516; ES 8705851 A1 19870516; JP S61189254 A 19860822

DOCDB simple family (application)  
**EP 86101631 A 19860208**; BR 8600628 A 19860214; DE 3505269 A 19850215; ES 551940 A 19860213; JP 2701086 A 19860212