

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.

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C07C 103/70; **C07C 103/54**; **C11D 1/62**

IPC 8 full level
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CPC (source: EP)
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[X] DE 2708823 A1 19771103 - DYK & CO INC VAN

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

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