

Title (en)

QUATERNARY AMMONIUM COMPOUNDS CONTAINING CATIONIC SURFACTANTS AND THEIR USE IN CLEANING COMPOSITIONS

Publication

EP 0189085 A3 19870225 (DE)

Application

EP 86100364 A 19860113

Priority

DE 3501775 A 19850121

Abstract (en)

[origin: US4678605A] The invention relates to new cationic surfactants based on quaternary ammonium compounds corresponding to the general formula R1-CHOH-CHR2-N+R3R4R5 R6CO2-(1) wherein R1 is a linear or branched alkyl residue having from 1 to 22 carbon atoms; R2 is hydrogen or a linear or branched alkyl residue having from 1 to 21 carbon atoms, the total number of carbon atoms of the substituents R1 and R2 being in the range of from 8 to 22; R3 and R4 each represent methyl, ethyl, 2-hydroxyethyl or 2-hydroxypropyl; R5 represents an alkyl residue having from 4 to 6 carbon atoms or a phenalkyl residue having from 1 to 3 carbon atoms in the alkyl residue; and R6 represents a linear or branched alkyl residue having from 4 to 15 carbon atoms. The cationic surfactants have particular utility in cleaning agents.

IPC 1-7

C07C 91/26; C11D 1/62

IPC 8 full level

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CPC (source: EP US)

C11D 1/62 (2013.01 - EP US)

Citation (search report)

- [X] EP 0012215 A1 19800625 - BASF AG [DE]
- [X] DE 2631733 A1 19770210 - AIR PROD & CHEM

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EP0345475A1; EP0336267A3; EP0249164A1; US4814108A; EP2604674A1; EP4219667A3; WO8909204A1; WO2013087701A1

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