

Title (en)

Cleaning composition comprising fluoro-surfactants

Title (de)

Fluorotenside enthaltendes Reinigungsmittel

Title (fr)

Composition nettoyante contenant des tensio-actifs fluorés

Publication

EP 0866115 A3 19990127 (EN)

Application

EP 98301652 A 19980305

Priority

GB 9705682 A 19970319

Abstract (en)

[origin: EP0866115A2] The invention relates to compositions for cleaning hard surfaces, wherein said composition comprises both cleans the surface and prevents or retards further soiling of the surface and provides an aqueous, hard-surface cleaning composition comprising a surfactant mixture, wherein said surfactant mixture comprises: a) a cationic fluorosurfactant, and, b) a non-fluorinated nonionic surfactant. It is believed that the cationic fluorosurfactants present in the compositions of the present invention modify the surface energy of surfaces to which the composition is applied so as to raise the contact angle of soil subsequently deposited on the modified surface. Suitable fluorosurfactant compounds can be broadly described as compounds which contain at least one CF₃ moiety and a group carrying a positive charge. Preferably, the fluorosurfactants employed in the present invention are of the general formula: <MATH> wherein L is a linking group which is preferably selected from linear or branched aliphatic or fluoro-aliphatic chains which may contain heteroatoms and R₁, R₂, and R₃ are preferably short chain alkyl groups, typically C₁-C₅ alkyl groups of which methyl groups are preferred: in an alternative, one of R₁, R₂ or R₃ is itself a moiety of the form CF₃-L-.

IPC 1-7

C11D 1/00; **C11D 1/83**

IPC 8 full level

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Citation (search report)

- [X] US 4612135 A 19860916 - WENZEL GEORGE [US]
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- [A] DATABASE WPI Section Ch Week 8235, Derwent World Patents Index; Class D25, AN 82-73569E, XP002086564

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