

Title (en)  
Cationic composition for hard surface cleaning

Title (de)  
Kationische Zubereitungen für die Reinigung harter Oberflächen

Title (fr)  
Compositions cationiques de nettoyage de surfaces dures

Publication  
**EP 1323817 B1 20060329 (DE)**

Application  
**EP 01130813 A 20011224**

Priority  
EP 01130813 A 20011224

Abstract (en)  
[origin: EP1323817A1] Cationic preparations for cleaning hard surfaces contain, as cationic surfactants, ester-quats (I) in which the acyl group(s) is/ are derived from 8-22C fatty acids and have an iodine index of at least 50. An Independent claim is also included for the use of (I) for the production of preparations for cleaning hard surfaces.

IPC 8 full level  
**C11D 1/62** (2006.01); **C11D 11/00** (2006.01); **C23G 1/24** (2006.01); **C23G 5/028** (2006.01)

CPC (source: EP)  
**C11D 1/62** (2013.01); **C23G 1/24** (2013.01); **C11D 2111/16** (2024.01)

Cited by  
CN106086912A; US8361953B2; US10011806B2; US8563499B2; US10113137B2; US8883713B2; US8569224B2; US8507425B2; US8883712B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 01130813 A 20011224**; AT 01130813 T 20011224; DE 50109370 T 20011224; ES 01130813 T 20011224