

Title (en)

USE OF SULFONATED POLYSTYRENE POLYMERS IN HARD SURFACE CLEANERS TO PROVIDE EASIER CLEANING BENEFIT

Title (de)

VERWENDUNG VON SULFONSÄUREGRUPPENHALTIGEN POLYSTYROLEN ALS ZUSATZ ZU REINIGUNGSMITTELN FÜR FESTE OBERFLÄCHEN MIT REINIGUNGSERLEICHTERUNG

Title (fr)

UTILISATION DE POLYMERES DE POLYSTYRENE SULFONE DANS DES COMPOSITIONS DE NETTOYAGE DE SURFACES DURES POUR FACILITER LE NETTOYAGE

Publication

EP 1603998 A1 20051214 (EN)

Application

EP 04718017 A 20040305

Priority

- US 2004006798 W 20040305
- US 45214403 P 20030305
- US 79666304 A 20040305

Abstract (en)

[origin: US2004194800A1] An aqueous hard surface cleaner composition contains a surfactant selected from the group consisting of nonionic surfactants, cationic surfactants, amphoteric surfactants, zwitterionic surfactants and mixtures thereof, a germicidal agent, which may be absent if the surfactant comprises a quaternary ammonium surfactant, a hydrophilic polymer comprising styrene sulfonate repeating units, and water, wherein the composition exhibits a pH of greater than or equal to about 6, and provides an easier cleaning benefit.

IPC 1-7

C11D 1/62; **C11D 3/34**; **C11D 3/37**; **C11D 3/30**

IPC 8 full level

C03C 23/00 (2006.01); **C04B 41/53** (2006.01); **C04B 41/91** (2006.01); **C11D 1/62** (2006.01); **C11D 1/835** (2006.01); **C11D 3/37** (2006.01); **C11D 3/48** (2006.01)

CPC (source: EP US)

C11D 1/62 (2013.01 - EP US); **C11D 1/835** (2013.01 - EP US); **C11D 3/378** (2013.01 - EP US); **C11D 3/48** (2013.01 - EP US)

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DOCDB simple family (application)

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