

Title (en)

Hard surface liquid cleaning composition with anti-soiling polymer.

Title (de)

Flüssige Zusammensetzung mit schmutzabweisendem Polymer zum Reinigen harter Oberflächen.

Title (fr)

Composition liquide de nettoyage pour surfaces dures avec polymères antisalissantes.

Publication

**EP 0467472 A2 19920122 (EN)**

Application

**EP 91201866 A 19910715**

Priority

US 55267390 A 19900716

Abstract (en)

An aqueous solution of an anti-static cationic quaternized polymer is used to deposit the polymer as a soil releasing agent on hard surface, e.g. bathroom porcelain, tiles, etc. in order to provide easier cleaning of the treated surface during subsequent cleaning operation. A preferred polymer is based on recurring units of beta(trialkyl ammonium) alkyl methacrylate with a molecular weight of from about 5,000 to 50,000 or more.

IPC 1-7

**C11D 3/37**

IPC 8 full level

**C11D 3/00** (2006.01); **C11D 3/22** (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)

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Cited by

WO2009085049A1; WO2007022235A1; EP0957156A1; AU2006279599B2; DE102005060431A1; FR2796390A1; EP1362907A3; EP1752524A3; US5965513A; EP0635567A3; EP0536820A1; GR1001375B; EP0875555A1; CN103168093A; CN1298829C; DE19953457A1; US5409639A; US7915212B2; US8084406B2; CN1298830C; DE19532542B4; US6025314A; US5741765A; AU2007363168B2; EP3184620A1; EP1757675A1; CN109996858A; US6410500B1; US6403545B1; WO9960086A1; WO0053692A1; WO0105921A1; US7939601B1; US7501387B2; US11649310B2; US7322534B2; US6869028B2; WO03070866A1; WO9500611A1; WO2018095918A1; WO2020245788A1; WO9502674A1; WO2012042000A1; US11530373B2; US8211846B2; US8226775B2; US6573229B2; US6992056B1; US9347025B2; US7470290B2; US6596684B2; US7699941B2; US7700540B2; US7381279B2; WO2012004255A1; EP2993223A1; US6251849B1; US8741831B2; US8815791B2; US7544649B2; US6762162B1; US6562142B2; US6537957B1; US7264678B2; US6221820B1; US8410038B2; US8987184B2; WO03070867A1; WO9709408A1; WO9720908A1; US7591272B2; US7635672B1; US11692052B2; WO0196516A1; WO2018095915A1; EP0699226B2

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