

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

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CPC (source: EP)

C11D 3/0036 (2013.01); **C11D 3/227** (2013.01); **C11D 3/3707** (2013.01); **C11D 3/3765** (2013.01); **C11D 3/3773** (2013.01); **C11D 3/3776** (2013.01)

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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