

Title (en)

Liquid detergent composition for improved greasy soil removal.

Title (de)

Flüssiges Waschmittel zur verbesserten Beseitigung von fetthaltigem Schmutz.

Title (fr)

Composition détergente liquide pour une meilleure élimination des salissures grasses.

Publication

**EP 0000224 A1 19790110 (EN)**

Application

**EP 78200049 A 19780620**

Priority

GB 2727577 A 19770629

Abstract (en)

[origin: CA1109759A] Built laundry detergent compositions in solid form containing specific mixtures of selected anionic, nonionic and water-soluble cationic surfactants. The compositions are especially effective in removing greasy soil from fabrics.

IPC 1-7

**C11D 1/86**

IPC 8 full level

**C11D 1/62** (2006.01); **C11D 1/72** (2006.01); **C11D 1/86** (2006.01); **C11D 17/00** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01)

CPC (source: EP US)

**C11D 1/62** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/86** (2013.01 - EP US); **C11D 1/14** (2013.01 - EP US); **C11D 1/22** (2013.01 - EP US)

Citation (search report)

- FR 2236925 A1 19750207 - COLGATE PALMOLIVE CO [US]
- LU 53736 A1 19680221
- FR 2272167 A1 19751219 - BEROL KEMI AB [SE]
- DE 1220956 B 19660714 - HENKEL & CIE GMBH
- DE 2025944 A1 19711209
- FR 2073557 A5 19711001 - GILLETTE CO [US]

Cited by

US6017874A; EP0339120A1; GB2323376A; US5205960A; US2018274047A1; EP2262883A4; GB2303144A; GB2323377A; GB2125814A; EP0051986A3; GB2323378A; EP1419230A4; FR2645876A1; EP0237075A3; FR2571736A1; GB2168374A; AU578748B2; WO2011100667A1; US10927280B2; US10487291B2; EP1241112A2; US9127239B2; WO2017144420A1; WO9712018A1; WO2015107416A3; EP0709452A1; WO9820116A1; US10143969B2; WO9820115A1; EP2278001A1; EP2261359A1; EP2284272A1; EP2287318A1; EP1923455A2; WO2004053039A2; EP0747469A1; EP0747470A1; EP2311941A1

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DOCDB simple family (application)

**EP 78200049 A 19780620**; BE 78200049 A 19780620; BR 7804162 A 19780629; CA 306469 A 19780629; CA 306550 A 19780629; DE 2857161 A 19780620; FR 7913431 A 19790525; GB 7926085 A 19780620; GB 7926086 A 19780620; IT 2509478 A 19780628; JP 7923278 A 19780629; MX 17399178 A 19780629; NL 7815014 A 19780620; PH 21323 A 19780629; US 15471780 A 19800530; US 23293081 A 19810209