

Title (en)
Stable liquid detergent compositions.

Title (de)
Stabile flüssige Reinigungsmittel.

Title (fr)
Compositions détergentes liquides stables.

Publication
EP 0199403 B1 19931215 (EN)

Application
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Priority
US 72312085 A 19850415

Abstract (en)
[origin: EP0199403A2] Heavy-duty liquid detergents containing an essential block polyester soil release agent; anionic surfactant; ethoxylated non-ionic surfactant; optional quaternary ammonium, amine, amide, or amine oxide surfactant; preferably fatty acid and/or poly-carboxylate builders; a neutralization system preferably comprising sodium, potassium and/or low levels of alkanolamines; and a solvent system comprising ethanol, polyol and/or water. The compositions are isotropic liquids providing a high level of detergency performance.

IPC 1-7
C11D 1/83; **C11D 3/37**

IPC 8 full level
C11D 1/83 (2006.01); **C11D 1/86** (2006.01); **C11D 3/00** (2006.01); **C11D 3/37** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/44** (2006.01); **C11D 1/52** (2006.01); **C11D 1/62** (2006.01); **C11D 1/72** (2006.01); **C11D 1/75** (2006.01)

CPC (source: EP)
C11D 1/86 (2013.01); **C11D 3/0036** (2013.01); **C11D 3/3715** (2013.01); **C11D 1/14** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01); **C11D 1/44** (2013.01); **C11D 1/521** (2013.01); **C11D 1/523** (2013.01); **C11D 1/62** (2013.01); **C11D 1/72** (2013.01); **C11D 1/75** (2013.01)

Cited by
US5182043A; US6103685A; US4721580A; US5256168A; US5082585A; US5196133A; EP0629690A1; EP0576777A1; US6136769A; FR2636961A1; US4976879A; EP0241985A3; US5500153A; US5597795A; EP0381431A3; EP0253567A1; US4795584A; US5750490A; EP0594893A1; AU669029B2; CN1047619C; AU2012358647B2; WO2017211697A1; US10240107B2; WO2011120799A1; EP2495300A1; US5789367A; EP0309264A3; US4970028A; US4877896A; EP0272033A3; GB2208653A; GB2208653B; AU616204B2; WO03102119A1; WO9616150A1; WO9744419A3; WO2013139702A1; WO2018127390A1; US6462014B1; US10351802B2; WO2018224379A1; WO2019063402A1; WO2024126303A1; WO2012104158A1; WO2017211700A1; WO2019068473A1; DE212018000292U1; WO9817758A1; WO9820092A3; WO9743365A3; EP0776965A2; WO2016155993A1; WO2019038187A1; WO2021233987A1; WO2012104156A1; WO2019224030A1; EP2476743A1; WO2012136427A1; WO2019038186A1; EP3489338A1; WO2019105939A1; WO9520640A1; WO9410277A1; WO2013092052A1; WO2017133879A1; EP3489340A1; WO2019105938A1; US2020407494A1; US11884775B2

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