

Title (en)
Detergent formulations.

Title (de)
Waschmittelformulierungen.

Title (fr)
Formulations détergentes.

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Application
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Abstract (en)
This invention relates to aqueous based liquid detergent formulations comprising a homogeneous dispersion of water, surfactants, builder salts and a clay. The clay is pretreated with a barrier material such as a polysiloxane prior to incorporation in the formulation. These formulations have viscosity stability and good freeze-thaw stability. The formulations also impart softness to the fabrics washed therewith.

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C11D 3/1266 (2013.01); **C11D 3/3738** (2013.01)

Citation (search report)

- [X] EP 0291262 A2 19881117 - UNILEVER PLC [GB], et al
- [A] GB 2170235 A 19860730 - COLGATE PALMOLIVE CO
- [A] US 4374939 A 19830222 - VAN FISK JR JAMES, et al
- [A] FR 2541301 A1 19840824 - COLGATE PALMOLIVE CO [US]
- [A] EP 0225142 A1 19870610 - UNILEVER PLC [GB], et al

Cited by
US7459423B2; US7105476B2; US7074754B2; US7304024B2; EP0495258A1; US5443750A; US7638478B2; US7012055B2; EP1749879A1; EP2145944A1; EP1561802A1; EP2022841A1; WO9207927A1; WO2005075616A1; EP1749877A1; US7696144B2; US7754673B2; US7919450B2; US7572760B2

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