

Title (en)

Detergent composition containing semi-polar nonionic detergent, alkaline earth metal anionic detergent, and amidoalkylbetaine detergent.

Title (de)

Detergentszusammensetzung, die ein semipolares nichtionisches Detergens, ein alkalische Erdmetalle enthaltendes anionisches Detergens und ein Amidoalkylbetan-Detergens enthält.

Title (fr)

Composition détergente contenant un détergent semi-polaire nonionique, un détergent anionique à base de métal alcalino-terreux et un détergent amidoalcytétaine.

Publication

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Application

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Priority

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Abstract (en)

A detergent composition containing a semi-polar nonionic detergent, an alkaline earth metal salt of an anionic detergent, and an amidoalkylbetaine. The composition is especially useful for the removal of greasy soils and has good suds mileage.

IPC 1-7

C11D 1/83; C11D 1/75; C11D 1/90; C11D 1/94

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [AD] US 4133779 A 19790109 - HELLYER JAMES A, et al
- [AD] US 4375421 A 19830301 - RUBIN FRED K, et al
- [AD] US 4137191 A 19790130 - LOHR JOHN W
- [A] US 4122043 A 19781024 - KERSNAR PAUL, et al

Cited by

US5540864A; US5534198A; EP0166579A3; US5342549A; EP0763591A1; US5336445A; US5540865A; US5531933A; GB2279362A;
GB2279362B; US5536450A; US5454983A; EP0854182A3; US5536451A; FR2613616A1; BE1000854A3; EP2447349A1; WO2012058250A1

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