

Title (en)  
DETERGENT COMPOSITIONS WITH CALCIUM IONS AND POLYHYDROXY FATTY ACID AMIDE NONIONIC/SELECTED ANIONIC/SOAP SURFACTANT MIXTURE.

Title (de)  
WASCHMITTELZUSAMMENSETZUNGEN MIT KALZIUMIONEN UND EINER TENSIDMISCHUNG AUS POLYHYDROXYFETTSÄUREAMID NICHTIONISCHEN, AUSGEWÄHLTEN ANIONISCHEN UND SEIFE TENSIDEN.

Title (fr)  
COMPOSITIONS DETERGENTES COMPRENANT UN MELANGE D'IONS DE CALCIUM ET DE TENSIOACTIFS/SAVONS NON IONIQUES/ ANIONIQUES SELECTIONNES CONTENANT DES AMIDES D'ACIDE GRAS POLYHYDROXY.

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Application  
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Abstract (en)  
[origin: WO9412609A1] Mixed nonionic/anionic surfactants which comprise polyhydroxy fatty acid amides and anionic surfactants of the alpha - sulfonated fatty acid esters, alkyl ethoxylated sulfate, alkyl ethoxylated carboxylate, alkyl sulfate or sulfated alkyl polyglycoside types are used in various cleaning functions. Thus, C10-C22 fatty acid N-alkyl glucamides are combined with such anionic surfactants, a soap and a source of calcium ions. The resulting mixtures exhibit exceptionally low interfacial tension, especially in the presence of calcium ions. Mixtures of such nonionic/ anionic/soap/calcium systems surfactants with conventional ethoxylated alcohol surfactants provide excellent removal of cosmetic stains from fabrics.

IPC 1-7  
**C11D 10/04**

IPC 8 full level  
**D06L 1/00** (2006.01); **C11D 1/52** (2006.01); **C11D 9/02** (2006.01); **C11D 10/04** (2006.01); **C11D 1/06** (2006.01); **C11D 1/14** (2006.01); **C11D 1/16** (2006.01); **C11D 1/28** (2006.01); **C11D 1/29** (2006.01)

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**C11D 10/04** (2013.01); **C11D 1/06** (2013.01); **C11D 1/14** (2013.01); **C11D 1/16** (2013.01); **C11D 1/28** (2013.01); **C11D 1/29** (2013.01); **C11D 1/525** (2013.01)

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