Title (en)

Encapsulated detergent composition

Title (de)

Detergenzien enthaltende Kapsel

Title (fr)

Composition détergente encapsulée

Publication

EP 1059350 A1 20001213 (DE)

Application

EP 99111217 A 19990608

Priority

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Abstract (en)

The invention relates to capsules containing detergents for releasing the same during a cleaning process. Said capsules contain at least one surfactant of the formula [R1-O-(CH2-CH2-O-)n-L] <-> [R2-NR4H-R3] <+> selected from mono, di or trialkanolammonium salts of alkyl ether sulphates, with a molecular weight of at least 200 g/mol, preferably at least 300 g/mol. In said formula, R1 represents a hydrocarbon radical, comprising at least 6 carbon atoms; n represents a whole number between 1 and 8; L represents -SO3; R2 is a linear or branched alcohol group, comprising between 1 and 10 carbons and at least one hydroxyl group; R3 and R4 are identical or different and are selected from the group consisting of hydrogen, linear and/or branched alcohol groups, containing between 1 and 10 carbon atoms and at least one hydroxy group and linear and/or branched alkyl groups with between 1 and 10 carbon atoms. The surfactant can be present either in the capsule jacket or the capsule fill material, or both. The inventive capsule has a high proportion of detergent substances. The capsule jacket material is preferably a macro-molecular native natural substance and/or is chemically and/or physically modified, preferably gelatine.

Abstract (de)

Die vorliegende Erfindung offenbart Detergenzien enthaltende Kapseln zum Freisetzen von Detegenzien während eines Reinigungsprozesses, umfassend mindestens ein Mono-, Di- bzw. Trialkanalammonium-Salze der Alkylethersulfate. Das Tensid kann dabei sowohl in der Kapselhülle als auch im Kapselfüllgut oder in beiden vorhanden sein. Die erfindungsgemässe Kapsel hat einen hohen Anteil waschaktiver Substanzen. Das Kapselhüllmaterial ist bevorzugt ein makromolekularer nativer und/oder chemisch und/oder physikalisch modifizierter Naturstoff, bevorzugt Gelatine.

IPC 1-7

C11D 17/00; C11D 1/29; C11D 1/83

IPC 8 full level

C11D 1/29 (2006.01); **C11D 1/83** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

C11D 1/29 (2013.01); **C11D 1/83** (2013.01); **C11D 17/0039** (2013.01); **C11D 17/043** (2013.01)

Citation (search report)

- [DXA] US 4597885 A 19860701 - BERRY IRA R [US], et al
- [XA] US 5573756 A 19961112 - LAMBRECHTS JOHN [US]
- [Y] EP 0879874 A2 19981125 - HENKEL KGAA [DE]
- [Y] EP 0656416 A1 19950607 - HUELS CHEMISCHE WERKE AG [DE]
- [DA] EP 0261754 A2 19880330 - SCHERER LTD R P [GB]

Cited by

ITTO20130186A1; CN104053763A; EP2780441A4; WO2014136091A1; US7601679B2; US7417019B2; EP1081219B1

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