

Title (en)  
Solid surfactant mixtures containing fatty acid polyhydroxyamides

Title (de)  
Feste Tensidmischungen enthaltend Fettsäurepolyhydroxyamide

Title (fr)  
Mélanges solides de tensioactifs contenant des polyhydroxyamides d'acides gras

Publication  
**EP 0984055 A1 20000308 (DE)**

Application  
**EP 99116546 A 19990824**

Priority  
DE 19840342 A 19980904

Abstract (en)  
Solid surfactant mixtures are based on fatty acid polyhydroxyamides (I), derived from 8-32 carbon (un)saturated fatty acids, and other nonionic surfactant(s) and/or other anionic surfactant(s). Solid surfactant mixtures are based on fatty acid polyhydroxyamides of formula (I), derived from 7-31 carbon (un)saturated fatty acids, and other nonionic surfactant(s) and/or other anionic surfactant(s): R = 7-31 carbon (C) alkyl or alkenyl; Z = a polyhydroxyhydrocarbonyl group with NOTLESS 2 hydroxyl (OH) groups, which may also be alkoxylated; R<1> = 1-8 C alkyl or a group of formula - (CH<sub>2</sub>)<sub>x</sub>NR<2>R<3> or R<4>O(CH<sub>2</sub>)<sub>n</sub>; R<2>, R<3> = 1-4 C alkyl or 2-4 C hydroxyalkyl; R<4> = 1-4 C alkyl; x = 1-10; n = 2-4.

Abstract (de)  
Feste Tensidmischungen, bestehend im wesentlichen aus einem oder mehreren Fettsäurepolyhydroxyamiden der Formel 1 RCONR<1>Z worin R C7-C31-Alkyl oder C7-C31-Alkenyl, Z eine Polyhydroxykohlenwasserstoffgruppe mit mindestens zwei Hydroxylgruppen, die auch alkoxyliert sein können, und R<1> C1-C8-Alkyl, eine Gruppe der Formeln -(CH<sub>2</sub>)<sub>x</sub>NR<2>R<3> oder R<4>O(CH<sub>2</sub>)<sub>n</sub>-, R<2> und R<3> C1-C4-Alkyl oder C2-C4-Hydroxyalkyl, R<4> C1-C4-Alkyl und x eine Zahl von 1 bis 10 und n eine Zahl von 2 bis 4 bedeuten, einem oder mehreren anderen nichtionischen Tensiden und/oder einem oder mehreren anionischen Tensiden.

IPC 1-7  
**C11D 1/52**; **C11D 1/835**; **C11D 1/65**

IPC 8 full level  
**C11D 1/12** (2006.01); **C11D 1/65** (2006.01); **C11D 1/74** (2006.01); **C11D 1/835** (2006.01); **C11D 1/86** (2006.01); **C11D 3/32** (2006.01); **C11D 17/00** (2006.01); **C11D 1/02** (2006.01); **C11D 1/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/52** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP US)  
**C11D 1/652** (2013.01 - EP US); **C11D 1/835** (2013.01 - EP US); **C11D 1/86** (2013.01 - EP US); **C11D 1/02** (2013.01 - EP US); **C11D 1/04** (2013.01 - EP US); **C11D 1/14** (2013.01 - EP US); **C11D 1/22** (2013.01 - EP US); **C11D 1/29** (2013.01 - EP US); **C11D 1/525** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US)

Citation (search report)  
• [X] WO 9206150 A1 19920416 - PROCTER & GAMBLE [US]  
• [DX] WO 9206160 A1 19920416 - PROCTER & GAMBLE [US]  
• [X] WO 9507332 A1 19950316 - PROCTER & GAMBLE [US]  
• [X] WO 9206162 A1 19920416 - PROCTER & GAMBLE [US]

Cited by  
EP1078978A1; EP2870957A1; US2022041957A1; WO2015067597A1; US10005986B2; US10577565B2; US11261406B2

Designated contracting state (EPC)  
BE DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0984055 A1 20000308**; BR 9904081 A 20000912; DE 19840342 A1 20000309; JP 2000087095 A 20000328; US 6165972 A 20001226

DOCDB simple family (application)  
**EP 99116546 A 19990824**; BR 9904081 A 19990903; DE 19840342 A 19980904; JP 24986599 A 19990903; US 38740199 A 19990902