

Title (en)

Stable aqueous emulsions of nonionic surfactants

Title (de)

Stabile wässrige nichtionische Tensideemulsionen

Title (fr)

Emulsions aqueuses stables d'agents tensioactifs non-ioniques

Publication

EP 0629691 B1 19981021 (EN)

Application

EP 93870103 A 19930609

Priority

- EP 93870103 A 19930609
- SG 1996002630 A 19930609
- SG 1996008330 A 19930609

Abstract (en)

[origin: EP0629691A1] Stable aqueous emulsions are disclosed which comprise hydrophobic and hydrophilic nonionic surfactants and silicones to reduce viscosity and eliminate air bubbles.

IPC 1-7

C11D 3/39; **C11D 3/37**; **C11D 1/825**

IPC 8 full level

C11D 1/66 (2006.01); **C11D 1/722** (2006.01); **C11D 1/82** (2006.01); **C11D 1/825** (2006.01); **C11D 3/00** (2006.01); **C11D 3/16** (2006.01); **C11D 3/33** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 17/00** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)

C11D 1/825 (2013.01); **C11D 3/33** (2013.01); **C11D 3/373** (2013.01); **C11D 3/3947** (2013.01); **C11D 1/72** (2013.01)

Citation (examination)

JP S63182008 A 19880727 - SHINETSU CHEMICAL CO

Cited by

US5929012A; US5905065A; US5759439A; DE102005034752A1; US5916865A; US8088722B2; US6828290B1; EP0598693B1; WO9626999A1; WO2010138347A1

Designated contracting state (EPC)

BE DE ES FR GB GR IT NL

DOCDB simple family (publication)

EP 0629691 A1 19941221; **EP 0629691 B1 19981021**; AU 693793 B2 19980709; AU 6961594 A 19950103; BR 9406802 A 19960319; CA 2164815 A1 19941222; CN 1127521 A 19960724; DE 69321711 D1 19981126; DE 69321711 T2 19990610; ES 2121983 T3 19981216; JP H08511575 A 19961203; MA 23218 A1 19941231; NZ 267342 A 19980126; PL 311878 A1 19960318; RU 2132369 C1 19990627; SG 52309 A1 19980928; SG 55157 A1 19981221; WO 9429415 A1 19941222

DOCDB simple family (application)

EP 93870103 A 19930609; AU 6961594 A 19940531; BR 9406802 A 19940531; CA 2164815 A 19940531; CN 94192824 A 19940531; DE 69321711 T 19930609; ES 93870103 T 19930609; JP 50189395 A 19940531; MA 23531 A 19940608; NZ 26734294 A 19940531; PL 31187894 A 19940531; RU 96100545 A 19940531; SG 1996002630 A 19930609; SG 1996008330 A 19930609; US 9406117 W 19940531