

Title (en)

Stable aqueous emulsions of nonionic surfactants with a viscosity controlling agent

Title (de)

Stabile, nichtionische Tensidemulsionen, welche Viskositätskontrollmittel enthalten

Title (fr)

Emulsions stables d'agents tensioactifs non-ioniques contenant un agent de contrôle de la viscosité

Publication

EP 0598693 B1 19981223 (EN)

Application

EP 93870134 A 19930712

Priority

- EP 92870188 A 19921116
- EP 93870103 A 19930609
- EP 93870104 A 19930609
- EP 93870134 A 19930712
- SG 1996002630 A 19930609
- SG 1996008330 A 19930609

Abstract (en)

[origin: EP0598693A1] Stable aqueous emulsions are disclosed which comprise hydrophobic and hydrophilic nonionic surfactants and a ethylenediamine-N,N'-disuccinic acid. Ethylenediamine-N,N'-disuccinic acid builds viscosity in said emulsions.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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

Citation (examination)

- EP 0497337 A2 19920805 - HOECHST AG [DE]
- EP 0598170 A1 19940525 - PROCTER & GAMBLE [US]
- EP 0629691 A1 19941221 - PROCTER & GAMBLE [US]
- EP 0629690 A1 19941221 - PROCTER & GAMBLE [US]

Cited by

EP0779357A1; EP0910465A4; EP1233055A1; EP0906950A1; WO9918180A1; WO9606908A1; WO9900478A1; WO0146377A1

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US 9310444 W 19931029; AT 93870134 T 19930712; AU 5589194 A 19931029; DE 69322744 T 19930712; EP 93870134 A 19930712; ES 93870134 T 19930712