

Title (en)

Emulsified low-viscosity alkaline cleaners

Title (de)

Niedrigviskose alkalische Reinigeremulsion

Title (fr)

Produit de nettoyage émulsionné et alcalin à faible viscosité

Publication

EP 0872542 B1 20030326 (DE)

Application

EP 98106004 A 19980402

Priority

DE 19715599 A 19970415

Abstract (en)

[origin: EP0872542A2] In an alkaline detergent emulsion containing 1-25 wt.% glyceryl oleate or oleic acid, 1-10 wt.% non-ionic emulsifier, 3-30 wt.% amine oxide, 1-30 wt.% hydrotrope, 5-80 wt.% aqueous alkali hydroxide solution, 1-20 wt.% complexing agent and water, the emulsifier is the reaction product (I) of an ethoxylated glyceryl ricinoleate (II) with oleic acid.

IPC 1-7

C11D 1/825; **C11D 1/66**; **C11D 1/75**; **C11D 3/20**; **C11D 3/36**

IPC 8 full level

C11D 1/66 (2006.01); **C11D 1/75** (2006.01); **C11D 1/825** (2006.01); **C11D 3/02** (2006.01); **C11D 3/20** (2006.01); **C11D 3/34** (2006.01); **C11D 3/36** (2006.01); **C11D 1/72** (2006.01); **C11D 1/74** (2006.01)

CPC (source: EP US)

C11D 1/825 (2013.01 - EP US); **C11D 3/044** (2013.01 - EP US); **C11D 3/3409** (2013.01 - EP US); **C11D 1/667** (2013.01 - EP US); **C11D 1/72** (2013.01 - EP US); **C11D 1/74** (2013.01 - EP US); **C11D 1/75** (2013.01 - EP US)

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DOCDB simple family (publication)

EP 0872542 A2 19981021; **EP 0872542 A3 19990728**; **EP 0872542 B1 20030326**; DE 19715599 A1 19981022; DE 19715599 C2 19990225; DE 59807599 D1 20030430; US 5939375 A 19990817

DOCDB simple family (application)

EP 98106004 A 19980402; DE 19715599 A 19970415; DE 59807599 T 19980402; US 4508598 A 19980320