

Title (en)  
SURFACE-ACTIVE BASE FOR NON-SOAP LUBRICANTS.

Title (de)  
TENSIDBASIS FÜR SEIFENFREIE SCHMIERMITTEL.

Title (fr)  
BASE TENSIO-ACTIVE POUR LUBRIFIANTS SANS SAVON.

Publication  
**EP 0629235 B1 19951115 (DE)**

Application  
**EP 93904004 A 19930222**

Priority  
• DE 4206506 A 19920302  
• EP 9300413 W 19930222

Abstract (en)  
[origin: WO9318121A1] Non-soap lubricants on the basis of amphoteric compounds, primary, secondary and/or tertiary amines and/or salts of such amines having the general formulae (I), (IIa):  $R^?4-NH-R^?5$ , (IIb):  $R^?4-N^?+H2^?-R^?5 X^?-$ , (IIIa):  $R^?4-NH-(CH2^?)3^?NH2^?$ , (IIIb):  $R^?4-NH-(CH2^?)3^?N^?+H3^? X^?-$ , (IIIc):  $R^?4-N^?+H2^?-(CH2^?)3^?N^?+H3^? 2X^?-$ , (IVa):  $R^?4-NR^?7R^?8$  and/or (IVb):  $R^?4-N^?+HR^?7R^?8 X^?-$  contain alkyl dimethylaminooxides and/or alkyloligoglycosides as non-ionic surface-active agents.

IPC 1-7  
**C10M 173/02**

IPC 8 full level  
**C10M 173/02** (2006.01)

CPC (source: EP US)  
**C10M 133/06** (2013.01 - EP US); **C10M 133/30** (2013.01 - EP US); **C10M 145/40** (2013.01 - EP US); **C10M 173/02** (2013.01 - EP US); **C10M 2201/02** (2013.01 - EP US); **C10M 2207/021** (2013.01 - EP US); **C10M 2207/022** (2013.01 - EP US); **C10M 2207/046** (2013.01 - EP US); **C10M 2209/12** (2013.01 - EP US); **C10M 2215/04** (2013.01 - EP US); **C10M 2215/20** (2013.01 - EP US); **C10M 2215/204** (2013.01 - EP US); **C10M 2215/26** (2013.01 - EP US); **C10N 2040/00** (2013.01 - EP US); **C10N 2040/30** (2013.01 - EP US); **C10N 2040/32** (2013.01 - EP US); **C10N 2040/34** (2013.01 - EP US); **C10N 2040/36** (2013.01 - EP US); **C10N 2040/38** (2020.05 - EP US); **C10N 2040/40** (2020.05 - EP US); **C10N 2040/42** (2020.05 - EP US); **C10N 2040/44** (2020.05 - EP US); **C10N 2040/50** (2020.05 - EP US); **C10N 2050/01** (2020.05 - EP US)

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI NL

DOCDB simple family (publication)  
**WO 9318121 A1 19930916**; AT E130361 T1 19951215; CA 2131312 A1 19930916; DE 4206506 A1 19930909; DE 59300967 D1 19951221; DK 0629235 T3 19960325; EP 0629235 A1 19941221; EP 0629235 B1 19951115; ES 2079966 T3 19960116; US 5565127 A 19961015

DOCDB simple family (application)  
**EP 9300413 W 19930222**; AT 93904004 T 19930222; CA 2131312 A 19930222; DE 4206506 A 19920302; DE 59300967 T 19930222; DK 93904004 T 19930222; EP 93904004 A 19930222; ES 93904004 T 19930222; US 29580494 A 19941109