

Title (en)
HIGH-TEMPERATURE LUBRICATING GREASE

Publication
EP 0218208 A3 19880309 (DE)

Application
EP 86113652 A 19861002

Priority
DE 3535713 A 19851005

Abstract (en)
[origin: US4737299A] Lubricating greases suitable for use at high operating temperatures which contain a complex thickening system consisting of a lithium soap of a hydroxy fatty acid, an alkali salt of boric acid and a dilithium salt of a branched alkyl chain dicarboxylic acid.

IPC 1-7
C10M 123/02

IPC 8 full level
C10M 169/06 (2006.01); **C10M 123/02** (2006.01); **C10N 30/00** (2006.01); **C10N 30/08** (2006.01); **C10N 40/02** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP US)
C10M 113/08 (2013.01 - EP US); **C10M 117/04** (2013.01 - EP US); **C10M 117/06** (2013.01 - EP US); **C10M 123/02** (2013.01 - EP US);
C10M 2201/0606 (2013.01 - EP US); **C10M 2201/0616** (2013.01 - EP US); **C10M 2201/0626** (2013.01 - EP US);
C10M 2201/0656 (2013.01 - EP US); **C10M 2201/0666** (2013.01 - EP US); **C10M 2201/0806** (2013.01 - EP US);
C10M 2201/0856 (2013.01 - EP US); **C10M 2201/0866** (2013.01 - EP US); **C10M 2201/087** (2013.01 - EP US);
C10M 2201/0876 (2013.01 - EP US); **C10M 2201/1013** (2013.01 - EP US); **C10M 2201/1026** (2013.01 - EP US);
C10M 2207/123 (2013.01 - EP US); **C10M 2207/1245** (2013.01 - EP US); **C10M 2207/125** (2013.01 - EP US);
C10M 2207/1285 (2013.01 - EP US); **C10M 2207/129** (2013.01 - EP US); **C10M 2207/22** (2013.01 - EP US); **C10M 2215/064** (2013.01 - EP US);
C10M 2215/22 (2013.01 - EP US); **C10M 2215/221** (2013.01 - EP US); **C10M 2215/225** (2013.01 - EP US); **C10M 2215/226** (2013.01 - EP US);
C10M 2215/30 (2013.01 - EP US); **C10M 2219/10** (2013.01 - EP US); **C10M 2219/102** (2013.01 - EP US); **C10M 2219/104** (2013.01 - EP US);
C10M 2219/106 (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US)

Citation (search report)
• [Y] FR 2115220 A1 19720707 - EXXON RESEARCH ENGINEERING CO
• [Y] GB 774084 A 19570508 - CALIFORNIA RESEARCH CORP
• [A] US 3791973 A 19740212 - GILANI S, et al
• [AD] EP 0096919 A2 19831228 - SHELL INT RESEARCH [NL]
• [A] FR 2384016 A1 19781013 - CHEVRON RES [US]

Cited by
US8658579B2; WO2009153317A1

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

DOCDB simple family (publication)
EP 0218208 A2 19870415; EP 0218208 A3 19880309; EP 0218208 B1 19910116; AT E60082 T1 19910215; BR 8604829 A 19870707;
DE 3535713 C1 19870402; DE 3676931 D1 19910221; ES 2020175 B3 19910801; JP H0118120 B2 19890404; JP S6286095 A 19870420;
US 4737299 A 19880412

DOCDB simple family (application)
EP 86113652 A 19861002; AT 86113652 T 19861002; BR 8604829 A 19861003; DE 3535713 A 19851005; DE 3676931 T 19861002;
ES 86113652 T 19861002; JP 23637986 A 19861006; US 91470786 A 19861002