

Title (en)  
GREASES

Title (de)  
SCHMIERFETTER

Title (fr)  
GRAISSES

Publication  
**EP 0668900 B1 19981007 (EN)**

Application  
**EP 93924736 A 19931110**

Priority  
• GB 9302313 W 19931110  
• GB 9223945 A 19921114

Abstract (en)  
[origin: WO9411470A1] A grease primarily for use with constant velocity joints comprises a base oil, which may be a mineral oil, or synthetic oil, or a mixture of such oils, and a lithium-based soap thickener, which may be a simple lithium soap or a complex lithium soap, in combination with: (1) an organo-molybdenum complex capable of functioning as a friction reducing additive; (2) an anti-wear/anti-oxidant compound; (3) an organo-sulphur compound extreme pressure additive; and (4) an organo-phosphorus compound extreme pressure additive. A grease in accordance with this formulation has been found to exhibit an unexpected combination of low friction and low wear characteristics when used in constant velocity joints.

IPC 1-7  
**C10M 169/06**

IPC 8 full level  
**C10M 169/06** (2006.01)

CPC (source: EP US)  
**C10M 117/02** (2013.01 - EP); **C10M 117/04** (2013.01 - EP); **C10M 117/06** (2013.01 - EP); **C10M 135/02** (2013.01 - EP); **C10M 135/06** (2013.01 - EP); **C10M 135/18** (2013.01 - EP); **C10M 135/36** (2013.01 - EP); **C10M 137/02** (2013.01 - EP); **C10M 137/04** (2013.01 - EP); **C10M 137/10** (2013.01 - EP); **C10M 137/12** (2013.01 - EP); **C10M 159/18** (2013.01 - EP); **C10M 169/06** (2013.01 - EP US); **C10M 2201/066** (2013.01 - EP); **C10M 2205/00** (2013.01 - EP); **C10M 2207/09** (2013.01 - EP); **C10M 2207/1225** (2013.01 - EP); **C10M 2207/123** (2013.01 - EP); **C10M 2207/1245** (2013.01 - EP); **C10M 2207/125** (2013.01 - EP); **C10M 2207/1265** (2013.01 - EP); **C10M 2207/1285** (2013.01 - EP); **C10M 2207/129** (2013.01 - EP); **C10M 2207/166** (2013.01 - EP); **C10M 2207/186** (2013.01 - EP); **C10M 2207/206** (2013.01 - EP); **C10M 2207/22** (2013.01 - EP); **C10M 2207/246** (2013.01 - EP); **C10M 2219/02** (2013.01 - EP); **C10M 2219/024** (2013.01 - EP); **C10M 2219/066** (2013.01 - EP); **C10M 2219/068** (2013.01 - EP); **C10M 2219/082** (2013.01 - EP); **C10M 2219/10** (2013.01 - EP); **C10M 2219/102** (2013.01 - EP); **C10M 2219/104** (2013.01 - EP); **C10M 2219/106** (2013.01 - EP); **C10M 2219/108** (2013.01 - EP); **C10M 2223/02** (2013.01 - EP); **C10M 2223/04** (2013.01 - EP); **C10M 2223/041** (2013.01 - EP); **C10M 2223/042** (2013.01 - EP); **C10M 2223/045** (2013.01 - EP); **C10M 2223/049** (2013.01 - EP); **C10M 2223/06** (2013.01 - EP); **C10M 2223/061** (2013.01 - EP); **C10M 2223/065** (2013.01 - EP); **C10M 2223/10** (2013.01 - EP); **C10M 2227/09** (2013.01 - EP); **C10N 2010/02** (2013.01 - EP); **C10N 2010/04** (2013.01 - EP); **C10N 2010/08** (2013.01 - EP); **C10N 2010/10** (2013.01 - EP); **C10N 2010/12** (2013.01 - EP); **C10N 2010/14** (2013.01 - EP); **C10N 2010/16** (2013.01 - EP US); **C10N 2040/00** (2013.01 - EP); **C10N 2040/30** (2013.01 - EP); **C10N 2040/32** (2013.01 - EP); **C10N 2040/34** (2013.01 - EP); **C10N 2040/36** (2013.01 - EP); **C10N 2040/38** (2020.05 - EP); **C10N 2040/40** (2020.05 - EP); **C10N 2040/42** (2020.05 - EP); **C10N 2040/44** (2020.05 - EP); **C10N 2040/50** (2020.05 - EP)

Citation (examination)  
• "Manufacturing Polyurea Greases in the Stratco Contactor", "Ken Kranz and W.P.Scot Annual Meeting of the National Lubricating Grease Institute in South Carolina (October 1992)  
• Toshiaki Endo: "Recent Technical Trend in the Stratco Contactor" Annual Meeting of the National Lubricating Grease Institute in South Carolina (October 1992)  
• Root J.C. and Scruton P.J.: "Second Generation Multi-Purpose Polyureas and Marketing 101", Annual Meeting of the National Lubricating Grease Institute in South Carolina (October 1992)  
• MITCHELL P.C.H.: "OIL-SOLUBLE MO-S COMPOUNDS AS LUBRICANT ADDITIVES", WEAR, vol. 100, 1984, pages 218 - 283  
• Vanderbilt Lubricant Additives, Datasheet from 1990 concerning Molyvan L and Molyvan A

Designated contracting state (EPC)  
DE FR

DOCDB simple family (publication)  
**WO 9411470 A1 19940526**; DE 69321481 D1 19981112; DE 69321481 T2 19990527; DE 69321481 T3 20020905; EP 0668900 A1 19950830; EP 0668900 B1 19981007; EP 0668900 B2 20020529; GB 2287715 A 19950927; GB 2287715 B 19960821; GB 9223945 D0 19930106; GB 9508436 D0 19950614

DOCDB simple family (application)  
**GB 9302313 W 19931110**; DE 69321481 T 19931110; EP 93924736 A 19931110; GB 9223945 A 19921114; GB 9508436 A 19931110