

Title (en)  
Calcium/lithium complex greases, capsuled constant velocity joint containing such lubricant greases, use of same and method for producing same

Title (de)  
Calcium/Lithium -Komplexfette, gekapseltes Gleichlaufgelenk enthaltend derartige Schmierfette, deren Verwendung und Verfahren zu deren Herstellung

Title (fr)  
Graisses complexes de calcium/lithium, joints de transmission homocinétiques encapsulés comprenant de telles graisses de lubrification, leur utilisation et leur procédé de fabrication

Publication  
**EP 2154229 B1 20190102 (DE)**

Application  
**EP 09009621 A 20090724**

Priority  
DE 102008034959 A 20080725

Abstract (en)  
[origin: EP2154229A2] Calcium/lithium-complex grease-composition (I) comprises: at least base oil; at least one additive; at least one thickener, where the thickener is a complex soap containing a calcium/lithium soap and at least one complexing agent; and excessive calcium hydroxide, where the composition has a calcium to lithium molar ratio of 1-5 to 1. An independent claim is included for a constant velocity joints having an encapsulation in a lubrication point, where the encapsulation comprises a thermoplastic elastomer comprising ester bonds or (I).

IPC 8 full level  
**C10M 117/02** (2006.01); **C07C 51/41** (2006.01); **C10M 117/04** (2006.01); **C10M 117/06** (2006.01); **C10M 121/04** (2006.01); **C10N 10/02** (2006.01); **C10N 10/04** (2006.01); **C10N 40/04** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP US)  
**C10M 117/02** (2013.01 - EP US); **C10M 117/04** (2013.01 - EP US); **C10M 117/06** (2013.01 - EP US); **C10M 121/04** (2013.01 - EP US); **C10M 2201/0856** (2013.01 - EP US); **C10M 2201/0876** (2013.01 - EP US); **C10M 2203/1025** (2013.01 - EP US); **C10M 2203/1065** (2013.01 - EP US); **C10M 2207/1225** (2013.01 - EP US); **C10M 2207/1236** (2013.01 - EP US); **C10M 2207/1265** (2013.01 - EP US); **C10M 2207/1276** (2013.01 - EP US); **C10M 2207/1285** (2013.01 - EP US); **C10M 2207/2613** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/36** (2020.05 - EP US); **C10N 2030/68** (2020.05 - EP US); **C10N 2040/046** (2020.05 - EP US); **C10N 2050/10** (2013.01 - EP US)

Citation (examination)  
• US 2929782 A 19600322 - SPROULE LORNE W, et al  
• WO 9602615 A1 19960201 - KYODO YUSHI [JP]

Cited by  
CN107207989A; RU2717349C2; WO2014096258A1; WO2016124653A1; US10752859B2; EP2462209B1

Designated contracting state (EPC)  
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