

Title (en)  
GREASE COMPOSITION

Title (de)  
SCHMIERFETTZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DE GRAISSE

Publication  
**EP 2554644 A4 20131204 (EN)**

Application  
**EP 11759618 A 20110325**

Priority  
• JP 2010073663 A 20100326  
• JP 2011057462 W 20110325

Abstract (en)  
[origin: EP2554644A1] Provided are a grease composition which inhibits simultaneously a bearing wear and a fretting wear under a high load to make it possible to elongate a life of the bearing; a grease composition which can inhibit a fretting wear caused by a change in a load in a thrust direction in addition to an usual fretting wear caused by small vibration in an oscillating direction; and a grease composition which is excellent in low-temperature characteristics. The grease compositions contain a base oil and a thickener, wherein the base oil contains a poly- $\alpha$ -olefin (component A) which has a kinetic viscosity of 300 mm<sup>2</sup>/s or more at 40°C and which is produced by using a metallocene catalyst.

IPC 8 full level  
**C10M 107/02** (2006.01); **C10M 117/00** (2006.01); **C10M 169/00** (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 30/00** (2006.01); **C10N 30/06** (2006.01); **C10N 40/02** (2006.01); **C10N 50/10** (2006.01)

CPC (source: EP US)  
**C10M 169/02** (2013.01 - EP US); **C10M 2205/0285** (2013.01 - EP US); **C10M 2207/1236** (2013.01 - EP US); **C10M 2207/1265** (2013.01 - EP US); **C10M 2207/1285** (2013.01 - EP US); **C10N 2010/02** (2013.01 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US); **C10N 2040/02** (2013.01 - EP US); **C10N 2040/04** (2013.01 - EP US); **C10N 2050/10** (2013.01 - EP US)

Citation (search report)  
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• [X] EP 1607648 A2 20051221 - NTN TOYO BEARING CO LTD [JP]  
• [X] US 5364544 A 19941115 - OTAKE SUGAKO [JP], et al  
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