

Title (en)

Use of additives in a lubricant composition for automotive driving system

Title (de)

Verwendung von Additiven in einer Schmiermittelzusammensetzung für Antriebssysteme in Fahrzeugen

Title (fr)

Utilisation d'additifs dans une composition d'huile lubrifiante pour l'entretien automobile

Publication

**EP 1612258 B1 20181121 (EN)**

Application

**EP 05011429 A 20050527**

Priority

JP 2004163106 A 20040601

Abstract (en)

[origin: US2005267002A1] A lubricant composition having a 40° C. dynamic viscosity of 40 mm<sup>2</sup>/s or less that has wear resistance equal to or better than a lubricant having a 40° C. dynamic viscosity of 76 mm<sup>2</sup>/s is achieved by providing a base oil with a zinc dithiophosphate and alkaline earth metal salt in an amount to provide a ratio of elemental zinc to alkaline earth metal in the oil in the range of 0.2 to 1.0.

IPC 8 full level

**C10M 163/00** (2006.01); **C10M 169/04** (2006.01); **C10M 101/02** (2006.01); **C10M 129/10** (2006.01); **C10M 129/54** (2006.01); **C10M 135/10** (2006.01); **C10M 137/10** (2006.01); **C10M 141/10** (2006.01); **C10M 159/22** (2006.01); **C10M 159/24** (2006.01); **C10N 10/04** (2006.01); **C10N 20/02** (2006.01); **C10N 30/06** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP US)

**C10M 163/00** (2013.01 - EP US); **C10M 2207/027** (2013.01 - EP US); **C10M 2207/028** (2013.01 - EP US); **C10M 2207/144** (2013.01 - EP US); **C10M 2207/262** (2013.01 - EP US); **C10M 2219/044** (2013.01 - EP US); **C10M 2219/046** (2013.01 - EP US); **C10M 2223/045** (2013.01 - EP US); **C10N 2010/04** (2013.01 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/06** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (application)

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