

Title (en)
LUBRICANT COMPOSITIONS FOR DIRECT INJECTION ENGINES

Title (de)
SCHMIERMITTELZUSAMMENSETZUNGEN FÜR DIREKTEINSPRITZMOTOREN

Title (fr)
COMPOSITIONS LUBRIFIANTES POUR MOTEURS À INJECTION DIRECTE

Publication
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Application
EP 14778031 A 20140919

Priority

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- US 2014056446 W 20140919

Abstract (en)
[origin: WO2015042341A1] The invention is directed to a method for reducing low speed pre-ignition events in a spark-ignited direct injection internal combustion engine by supplying to the sump a lubricant composition which contains an oil of lubricating viscosity and an ashless dispersant. The ashless dispersant may be selected from succinimide compounds prepared from aliphatic or aromatic amines.

IPC 8 full level
C10M 169/04 (2006.01); **C10N 40/25** (2006.01)

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Citation (search report)
See references of WO 2015042341A1

Citation (examination)

- EP 3101095 A1 20161207 - EXXONMOBIL RES & ENG CO [US], et al
- AKRAM ZAHDEH ET AL: "Fundamental Approach to Investigate Pre-Ignition in Boosted SI Engines", SAE INTERNATIONAL JOURNAL OF ENGINES, vol. 4, no. 1, 12 April 2011 (2011-04-12), pages 246 - 273, XP055203891, ISSN: 1946-3944, DOI: 10.4271/2011-01-0340

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