

Title (en)

Low ash or ashless two-cycle lubricating oil with reduced smoke generation

Title (de)

Zweitakt Schmierölzusammensetzungen ohne oder mit geringem Aschegehalt und mit verringerter Rauchentwicklung

Title (fr)

Compositions d'huile lubrifiante à faible teneur en cendres ou sans cendre pour moteur à deux temps réduisant la production de fumée.

Publication

EP 1743932 A3 20070905 (EN)

Application

EP 06113832 A 20060511

Priority

US 15372305 A 20050615

Abstract (en)

[origin: EP1743932A2] A new low smoke two-cycle oil comprises highly reactive polyisobutylene ("HR-PIB"), a solvent additive package, and exhibits Kinematic viscosity of at least 6.5 mm²/s at 100°C and JASO M342 Smoke Index of at least 85. The new two-cycle oil is manufactured from an alternative starting material, which offers an efficient alternative as compared to polyisobutylene ("PIB"), which has traditionally been included in conventional two-cycle oils.

IPC 8 full level

C10M 107/08 (2006.01); **C10M 111/04** (2006.01); **C10M 169/04** (2006.01); **C10M 171/02** (2006.01)

CPC (source: EP US)

C10M 107/08 (2013.01 - EP US); **C10M 111/04** (2013.01 - EP US); **C10M 169/04** (2013.01 - EP US); **C10M 171/02** (2013.01 - EP US); **C10M 2203/1006** (2013.01 - EP US); **C10M 2205/0265** (2013.01 - EP US); **C10M 2215/28** (2013.01 - EP US); **C10N 2020/01** (2020.05 - EP US); **C10N 2020/02** (2013.01 - EP US); **C10N 2020/04** (2013.01 - EP US); **C10N 2020/067** (2020.05 - EP US); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/04** (2013.01 - EP US); **C10N 2030/45** (2020.05 - EP US); **C10N 2040/26** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0640680 A1 19950301 - BP CHEM INT LTD [GB]
- [Y] EP 0145235 A1 19850619 - BP CHEM INT LTD [GB]
- [Y] WO 02057397 A2 20020725 - INFINEUM INT LTD [GB]
- [AD] WO 0214385 A1 20020221 - BASF AG [DE], et al

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WO2012150283A1; WO2016138939A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1743932 A2 20070117; **EP 1743932 A3 20070905**; AU 2006202573 A1 20070111; AU 2006202573 B2 20111103; CA 2550562 A1 20061215; CA 2550562 C 20110705; CN 1880420 A 20061220; CN 1880420 B 20110420; JP 2006348297 A 20061228; SG 128610 A1 20070130; SG 166094 A1 20101129; US 2006287202 A1 20061221

DOCDB simple family (application)

EP 06113832 A 20060511; AU 2006202573 A 20060615; CA 2550562 A 20060614; CN 200610091860 A 20060613; JP 2006165796 A 20060615; SG 200604060 A 20060615; SG 2010066553 A 20060615; US 15372305 A 20050615