

Title (en)

Method of preparing a lubricant composition

Title (de)

Verfahren zur Herstellung einer Schmiermittelzusammensetzung

Title (fr)

Procédé de préparation d'une composition de lubrifiant

Publication

EP 2735604 A1 20140528 (EN)

Application

EP 12193926 A 20121122

Priority

EP 12193926 A 20121122

Abstract (en)

A method of preparing a lubricant composition comprising at least one base oil component, at least one first additive component and at least one second additive component which method comprises: introducing into an elongate mixing vessel comprising at least one static mixer, at least one base oil component, at least one first additive component and at least one second additive component; the at least one first additive component being introduced into the mixing vessel separately from the at least one second additive component; and mixing the at least one second additive component with a mixture of the at least one first additive component and the at least one base oil component in the elongate mixing vessel using the at least one static mixer.

IPC 8 full level

C10M 177/00 (2006.01); **B01F 3/08** (2006.01); **B01F 5/06** (2006.01); **B01F 15/02** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP US)

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Citation (applicant)

- US 3953002 A 19760427 - ENGLAND JR HERBERT C, et al
- WO 2008124191 A1 20081016 - EXXONMOBIL RES & ENG CO [US], et al
- WO 2007068799 A2 20070621 - NESTE OIL OYJ [FI], et al
- WO 9921902 A1 19990506 - CASTROL LTD [GB], et al
- WO 03099890 A2 20031204 - CASTROL LTD [GB], et al
- WO 2006099250 A1 20060921 - CASTROL LTD [GB], et al
- WO 2006011663 A1 20060202 - CANON KK [JP], et al
- WO 2011062914 A1 20110526 - CASTROL LTD [GB], et al
- US 7622431 B2 20091124 - MUIR RONALD J [CA]
- EP 1533362 A1 20050525 - INFINEUM INT LTD [GB]
- WO 9321288 A1 19931028 - EXXON CHEMICAL PATENTS INC [US]
- US 2005198894 A1 20050915 - MIGDAL CYRIL A [US], et al
- US 2006090393 A1 20060504 - ROWLAND ROBERT G [US], et al
- "ENGINE OIL LICENSING AND CERTIFICATION SYSTEM", April 2007

Citation (search report)

- [XY] US 2003225166 A1 20031204 - GURFINKEL CASTILLO MARIANO E [VE], et al
- [Y] US 3779518 A 19731218 - KOEPKE G, et al
- [Y] CN 102311852 A 20120111 - OIL RES INST OF THE AIR FORCE PLA
- [Y] GB 1446998 A 19760818 - SAUTER AG
- [Y] US 2645463 A 19530714 - STEARNS REID F
- [Y] GB 1407281 A 19750924 - BASF AG
- [Y] US 3417967 A 19681224 - HAROLD RICHENS RAYMOND, et al
- [Y] US 4332483 A 19820601 - HOPE HENRY F, et al
- [A] US 2009122637 A1 20090514 - KRUYER JAN [CA]
- [YD] EP 1533362 A1 20050525 - INFINEUM INT LTD [GB]

Cited by

CN107355789A

Designated contracting state (EPC)

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