

Title (en)

HIGH-POWER LIQUID FUEL COMPOSITION FOR SPARK-IGNITION ENGINES

Title (de)

LEISTUNGSSTARKE FLÜSSIGBRENNSTOFFZUSAMMENSETZUNG FÜR OTTOMOTOREN

Title (fr)

COMPOSITION DE CARBURANT LIQUIDE DE FORTE PUISSANCE POUR MOTEURS A ALLUMAGE COMMANDE

Publication

EP 2820111 B1 20151028 (FR)

Application

EP 13707345 A 20130226

Priority

- FR 1251766 A 20120227
- EP 2013053792 W 20130226

Abstract (en)

[origin: WO2013127776A1] The invention relates to a high-power liquid fuel composition for spark-ignition engines. The fuel composition has a RON greater than or equal to 95 and a MON greater than or equal to 85, the RON and MON values being measured according to the ASTM D 2699-86 or D 2700-86 standard, and comprises at least one C4-C5 unsaturated alcohol. The invention also relates to the use of a C4-C5 unsaturated alcohol, preferably 3-methyl-2-buten-1-ol or 3-methyl-3-buten-1-ol, in a petrol fuel composition, for improving the power of a spark-ignition, naturally-aspirated or turbocharged engine, during the combustion. The invention also relates to a process for preparing such a fuel composition.

IPC 8 full level

C10L 1/02 (2006.01); **C10L 1/14** (2006.01); **C10L 1/16** (2006.01); **C10L 1/182** (2006.01); **C10L 1/185** (2006.01); **F02D 23/00** (2006.01)

CPC (source: EP US)

C10L 1/023 (2013.01 - EP US); **C10L 1/1824** (2013.01 - EP US); **C10L 1/14** (2013.01 - EP US); **C10L 1/1608** (2013.01 - EP US); **C10L 1/1852** (2013.01 - EP US); **C10L 2230/22** (2013.01 - EP US); **C10L 2270/023** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

FR 2987369 A1 20130830; EP 2820111 A1 20150107; EP 2820111 B1 20151028; ES 2554287 T3 20151217; HU E027167 T2 20160829; PL 2820111 T3 20160229; PT 2820111 E 20151204; US 2015007489 A1 20150108; WO 2013127776 A1 20130906

DOCDB simple family (application)

FR 1251766 A 20120227; EP 13707345 A 20130226; EP 2013053792 W 20130226; ES 13707345 T 20130226; HU E13707345 A 20130226; PL 13707345 T 20130226; PT 13707345 T 20130226; US 201314380514 A 20130226