

Title (en)

Ethanol-Containing motor fuels for spark ignition combustion engines having reduced vapour pressure

Title (de)

Verfahren zur Verringerung des Dampfdruckes von ethanolhaltigen Motortreibstoffen für funkengezündete Verbrennungsmotoren

Title (fr)

Procédé permettant de réduire la pression de la vapeur des carburants à base d'éthanol dans des moteurs à combustion à allumage commandé

Publication

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Application

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Abstract (en)

Method of reducing the vapour pressure of a C3 to C12 hydrocarbon-based motor fuel mixture containing 0.1 to 20 % by volume of ethanol for conventional spark ignition internal combustion engines, wherein, in addition to an ethanol component (b) and a C3 to C12 hydrocarbon component (a), an oxygen-containing additive (c) selected from at least one of the following types of compounds: alcohol other than ethanol, ketone, ether, ester, hydroxy ketone, ketone ester, and a heterocyclic containing oxygen, is used in the fuel mixture in an amount of at least 0.05 by volume of the total fuel, is disclosed. A mixture of fuel grade ethanol (b) and oxygen-containing additive (c) usable in the method of the invention is also disclosed.
<IMAGE>

IPC 1-7

C10L 1/02; C10L 1/18; C10L 1/16

IPC 8 full level

C10L 1/02 (2006.01); **C10L 1/06** (2006.01); **C10L 1/14** (2006.01); **C10L 1/16** (2006.01); **C10L 1/18** (2006.01); **C10L 1/182** (2006.01);
C10L 1/185 (2006.01); **C10L 1/19** (2006.01); **C10L 10/02** (2006.01)

IPC 8 main group level

C10L (2006.01)

CPC (source: EP KR)

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C10L 1/19 (2013.01 - EP)

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