

## 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

**EP 1589091 A1 20051026 (EN)**

## Application

**EP 05104353 A 20010124**

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- SE 0000139 W 20000124

## 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

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## IPC 8 main group level

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## Citation (search report)

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