

Title (en)

Fuel composition, process of preparing same and method of operating an internal combustion engine using same.

Title (de)

Brennstoffzusammensetzung, Verfahren zu deren Herstellung und Verfahren zum Betreiben eines Verbrennungsmotors mit diesem Brennstoff.

Title (fr)

Combustible, procédé pour sa préparation et procédé de fonctionnement d'un moteur à combustion interne utilisant ce combustible.

Publication

EP 0026794 A1 19810415 (EN)

Application

EP 79103856 A 19791008

Priority

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Abstract (en)

This invention provides a novel synthetic fuel composition suitable for use in internal combustion engines. The fuel composition comprises from about 40 to 95% by volume of a primary alcohol having 1-4 carbon atoms, from about 5 to 60% by volume of an alcohol derivative having the general formula <CHEM> wherein R is -CH₃, -C₂H₅, -C₃H₇, or -C₄H₉, and R₁ is hydrogen or -CH₃. The fuel composition can be prepared by reacting a primary alcohol having 1-4 carbon atoms with oxygen or air to form an alcohol derivative which is an aldehyde and reacting the aldehyde with an additional portion of the alcohol to form the product, comprising the alcohol, the alcohol derivative and the aldehyde.

IPC 1-7

C10L 1/02

IPC 8 full level

C10L 1/02 (2006.01)

CPC (source: EP)

C10L 1/02 (2013.01)

Citation (search report)

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- DE 801275 C 19501228 - BASF AG
- FR 868232 A 19411224
- US 2691685 A 19541012
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Cited by

FR2544738A1; GB2187185A

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