

Title (en)

Additives for alcohol fuel and their manufacture.

Title (de)

Zusätze für Alkoholkraftstoffe und deren Herstellung.

Title (fr)

Additifs pour combustible à base d'alcool et préparation de ceux-ci.

Publication

EP 0095823 A1 19831207 (EN)

Application

EP 83300341 A 19830124

Priority

JP 9140782 A 19820531

Abstract (en)

An aqueous solution consisting mainly of an essential oil ingredient and water is obtained by immersing chips of at least one kind of herb in hot water of 70-90 DEG C for about 30 minutes. This solution is added, either as it is or concentrated, to a lower alkanol. The resulting mixture is a fuel for internal combustion engines which is comparable to petrol, and far superior to pure alcohol in performance and in not causing corrosion. It can contain 30% of water. For example, a car fuelled with a mixture of methanol (78%), water (20.8%) and an extract (1.2%) achieved 3.41 km/l, whereas on pure methanol it achieved only 3.04 km/l.

IPC 1-7

C10L 1/18; C10L 1/10

IPC 8 full level

C10L 1/02 (2006.01); **C10L 1/10** (2006.01); **C10L 1/14** (2006.01); **C10L 1/18** (2006.01); **C10L 1/12** (2006.01)

CPC (source: EP)

C10L 1/02 (2013.01); **C10L 1/10** (2013.01); **C10L 1/1802** (2013.01); **C10L 1/125** (2013.01)

Citation (search report)

- [A] DE 1073668 B
- [A] FR 1194820 A 19591112
- [A] DE 2806673 A1 19790125 - SUZUKI MOTOR CO
- [A] DE 2741352 A1 19790315 - HILLE ARTUR

Cited by

CN102041117A; US5156114A; USRE35237E; EP0431357A1; US6302929B1; US6280486B1

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