

Title (en)

Ignition improver for an alcohol based fuel for compression ignition engines.

Title (de)

Zündungsverbesserer für einen auf Alkohol basierenden Brennstoff für Motoren mit Zündung durch Kompression.

Title (fr)

Produit améliorant la combustion d'un carburant à base d'alcool pour moteurs à combustion par compression.

Publication

EP 0116197 A2 19840822 (EN)

Application

EP 83303508 A 19830617

Priority

ZA 83264 A 19830114

Abstract (en)

The invention concerns a composition of matter comprising a mixture of (A) at least one alcohol with an average molecular weight of less than 160 and (B) at least one organic compound of formula $\text{NO}_2\text{-O-(CH}_2\text{CH}_2\text{O)}_x\text{-NO}_2$ wherein x = an integer greater than 3, and wherein the molecular weight (or average molecular weight) of the compound(s) is between 260 and 480. The composition may be used as a fuel for compression ignition engines.

IPC 1-7

C10L 1/02

IPC 8 full level

C10L 1/02 (2006.01); **C10L 1/23** (2006.01)

CPC (source: EP)

C10L 1/02 (2013.01); **C10L 1/231** (2013.01)

Cited by

GB2528041A; EP0313696A1; GB2535234A; CN107438636A; FR3137104A1; US11952936B1; WO2016000834A1; WO2016128147A1; US7575607B2; US8252071B2; WO2022183263A1; US10232341B2; US11674462B2; WO2021102542A1; US11428186B2; US11952954B2; US11959434B2; US11976606B2; WO2022183262A1; WO2023247901A1

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