Title (en)

FUEL-WATER EMULSIONS

Title (de)

KRAFTSTOFF-WASSER-EMULSIONEN

Title (fr)

EMULSIONS CARBURANT-EAU

Publication

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Application

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Abstract (en)

[origin: WO9831773A1] The invention concerns fuel-water emulsions substantially comprising between 60 and 80 wt % of a fuel, between 0.5 and 5 wt % of one or a plurality of water-soluble and petrol-insoluble emulsifiers of formulae A) R-O-(CH2CH2O)x-H, in which R means alkyl or alkenyl, each with between 8 and 18 carbon atoms, or C9-C14 alkyl phenyl, and x is a number from 8 to 30, or B) HO-(C2H4O)x-(C3H6O)y-(C2H4O)z-H, in which the portion of ethylene oxide units is between 40 and 80 wt % of the molecular mass, or C) (i), in which x is a number from 8 to 30, and between 1 and 10 wt % of a water-soluble and petrol-insoluble polyalkylene glycol as stabilizer, as well as water and optionally further additives up to 100 wt %. The emulsions according to the invention can be used to operate internal combustion engines.

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C10L 1/32

IPC 8 full level

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Citation (search report)

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