Title (en)

METHOD FOR CONTINUOUSLY PREPARING A STABLE WATER-FUEL EMULSION AND DEVICE THEREFOR

Title (de)

VERFAHREN ZUR KONTINU-HERSTELLUNG EINER STABILEN WASER-BRENNSTOFFEMULSION UND VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHREN

Title (fr)

PROCEDE DE PREPARATION EN CONTINU D'UNE EMULSION STABLE EAU-COMBUSTIBLE ET SON DISPOSITIF DE MISE EN OEUVRE

Publication

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Application

EP 00979726 A 20001113

Priority

- FR 0003162 W 20001113
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Abstract (en)

[origin: WO0136569A1] The invention concerns a method for continuously preparing a water-in-oil emulsified fuel to mix additives, water and a hydrocarbon phase and optionally in recycling the resulting mixture. The method comprises two steps: the first consists in providing at least a phase A consisting of the additives required for stabilising the emulsion and the water in the hydrocarbon phase for a homogeneous spatial distribution of water droplets less than 200 mu m in size; and the second phase consists in reducing the size of the droplets by dispersion using an emulsifying device having a peripheral moving speed of at least 10 m/s, preferably higher than 25 m/s and enabling a retention time in the emulsifying device between 1 second and 80 seconds, preferably between 2 and 30 seconds.

IPC 1-7 (main, further and additional classification)

C10L 1/32; B01F 3/08; B01F 13/10

IPC 8 full level (invention and additional information)

B01F 3/08 (2006.01); **C10L 1/32** (2006.01)

CPC (invention and additional information)

B01F 3/088 (2013.01); **C10L 1/328** (2013.01)

Citation (search report)

See references of WO 0136569A1

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