

Title (en)

APPARATUS FOR MAKING WATER-IN-FUEL OIL EMULSION

Title (de)

VORRICHTUNG ZUR HERSTELLUNG VON WASSER-HEIZÖL-EMULSIONEN

Title (fr)

APPAREIL DESTINE A FABRIQUER UNE EMULSION EAU DANS COMBUSTIBLE

Publication

**EP 1075596 A1 20010214 (EN)**

Application

**EP 00908132 A 20000228**

Priority

- NO 0000067 W 20000228
- NO 990925 A 19990226

Abstract (en)

[origin: WO053916A1] An apparatus for making water-in-oil emulsion for combustion engines or boilers, in which the water and oil is emulsified within the fuel supply recirculation loop by the turbulence generated by the circulation pump, without any prior emulsion. A water metering pump (1) receives a control signal via an amplifier (3) and a calculator (4) from a flow sensor placed in the oil supply pipe. The water is supplied directly into the recirculation loop, which contains oil mixed with an emulsifying agent.

IPC 1-7

**F02M 25/022**; F23K 5/12

IPC 8 full level

**F02B 47/02** (2006.01); **F02M 25/022** (2006.01); **F23K 5/12** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

**F02B 47/02** (2013.01); **F02M 25/0228** (2013.01); **F23K 5/12** (2013.01); **F02B 3/06** (2013.01); **Y02T 10/12** (2013.01)

Citation (search report)

See references of WO 0053916A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0053916 A1 20000914**; AU 2950400 A 20000928; EP 1075596 A1 20010214; NO 309785 B1 20010326; NO 990925 D0 19990226; NO 990925 L 20000828

DOCDB simple family (application)

**NO 0000067 W 20000228**; AU 2950400 A 20000228; EP 00908132 A 20000228; NO 990925 A 19990226