

Title (en)

INTERNAL COMBUSTION ENGINE WITH A FUEL VAPORIZATION DEVICE

Title (de)

BRENNKRAFTMASCHINE MIT EINER BRENNSTOFFVERDAMPFUNGSEINRICHTUNG

Title (fr)

MOTEUR A COMBUSTION INTERNE AVEC DISPOSITIF D'EVAPORATION DU COMBUSTIBLE

Publication

EP 0859907 A1 19980826 (DE)

Application

EP 97924919 A 19970528

Priority

- DE 9701074 W 19970528
- DE 19633259 A 19960817

Abstract (en)

[origin: DE19633259A1] In familiar internal combustion engines, which also include a fuel vaporization device for individual injection, recondensation of the fuel vapor emitted by the fuel vaporization device can occur in lines of the internal combustion engine, so that it is not possible to meet extremely low emission values. This invention proposes an internal combustion engine (1) which, besides the vaporization device (20) also has a fuel filter (22) mounted after the fuel vaporization device (20) which filters out low volatility fuel components, so that recondensation of the fuel vapor in the fuel vapor lines (27) is nearly completely eliminated. The internal combustion engine is intended for powering motor vehicles.

IPC 1-7

F02M 31/18

IPC 8 full level

F02M 25/08 (2006.01); **F02D 19/08** (2006.01); **F02M 31/18** (2006.01); **F02M 33/00** (2006.01)

CPC (source: EP US)

F02D 19/0665 (2013.01 - EP); **F02D 19/0671** (2013.01 - EP); **F02D 19/081** (2013.01 - EP); **F02M 31/18** (2013.01 - EP US); **F02D 19/0649** (2013.01 - EP); **Y02T 10/12** (2013.01 - EP); **Y02T 10/30** (2013.01 - EP)

Citation (search report)

See references of WO 9807977A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19633259 A1 19980219; EP 0859907 A1 19980826; JP H11514069 A 19991130; WO 9807977 A1 19980226

DOCDB simple family (application)

DE 19633259 A 19960817; DE 9701074 W 19970528; EP 97924919 A 19970528; JP 51022698 A 19970528