

Title (en)

Method for assisting and/or controlling and/or regulating the fuel consumption of an internal combustion engine

Title (de)

Verfahren zur Unterstützung und/oder Steuerung und/oder Regelung des Treibstoffverbrauchs eines Verbrennungsmotors

Title (fr)

Procédé d'assistance et/ou de contrôle et/ou de régulation de la consommation d'un moteur thermique

Publication

EP 2161439 B1 20110323 (FR)

Application

EP 09370013 A 20090907

Priority

FR 0804933 A 20080909

Abstract (en)

[origin: EP2161439A1] The method involves fixing a consumption set point (Cs) equal to a determined consumption value, and providing a surge fuel tank (3) supplied from a main fuel tank (2) via a displacement pump (Pv1). Flow of the pump is adjusted to a constant value equal to the set point. Fuel is supplied to a heat engine (M) from the surge tank via a supply pump (Pa2). The fuel, which is not consumed by the engine, is recycled into the surge tank. Volume of the surge tank is varied for increasing or reducing volume of fuel received by the surge tank, based on a determined operating mode of the engine. An independent claim is also included for a heat engine device such as motor vehicle, comprising a main fuel tank.

IPC 8 full level

F02M 37/00 (2006.01); **F02M 37/04** (2006.01); **F02M 37/18** (2006.01); **G01F 9/00** (2006.01); **G01F 13/00** (2006.01)

CPC (source: EP)

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