

Title (en)

Heat engine for a vehicle with related control method

Title (de)

Brennkraftmaschine für Fahrzeuge und Steuerungsverfahren

Title (fr)

Moteur à combustion interne pour véhicule et méthode de commande

Publication

EP 0791729 A1 19970827 (EN)

Application

EP 96112814 A 19960808

Priority

IT TO950682 A 19950811

Abstract (en)

A heat engine (1) provided with a plurality of cylinders having at least one inlet valve (3), at least one exhaust valve (4) and an auxiliary valve (6) forming part of a vacuum braking device (5); the valves (3, 4, 6) are controlled by an electronic control unit (8) which, in response to an actuating signal of the vacuum braking device, prevents the injection of fuel into the cylinders (2) and varies the timing sequence from a conventional four-stroke cycle to a two-stroke cycle in which the inlet valve (3) and the auxiliary valve (6) open alternately in accordance with each dead centre of the associated cylinder (2). <IMAGE>

IPC 1-7

F01L 13/06

IPC 8 full level

F01L 13/06 (2006.01)

CPC (source: EP)

F01L 9/10 (2021.01); **F01L 13/06** (2013.01)

Citation (search report)

- [A] GB 307753 A 19300611
- [A] DE 577588 C 19330601 - MOTORWAGENFABRIK BERNA A G
- [A] DE 4125831 A1 19921015 - DAIMLER BENZ AG [DE]
- [A] WO 9009514 A1 19900823 - VOLVO AB [SE]

Cited by

FR2900200A1; FR2900199A1; US7591244B2; US10344683B2; WO2016060605A1; WO2007019879A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0791729 A1 19970827; **EP 0791729 B1 20011121**; AT E209296 T1 20011215; DE 69617196 D1 20020103; DE 69617196 T2 20020718; ES 2168418 T3 20020616; IT 1280907 B1 19980211; IT TO950682 A0 19950811; IT TO950682 A1 19970211

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