

Title (en)

GAS AND DIESEL POWERED COMPRESSION IGNITION ENGINE

Title (de)

GAS- UND DIESELBETRIEBENER MOTOR MIT EIGENZÜNDUNG

Title (fr)

MOTEUR À ALLUMAGE PAR COMPRESSION À GAZ ET CARBURANT DIESEL

Publication

**EP 2013461 A1 20090114 (EN)**

Application

**EP 06725739 A 20060412**

Priority

EP 2006061566 W 20060412

Abstract (en)

[origin: WO2007115594A1] A liquid pilot ignited gaseous fueled engines compression ignition engine (GFE) capable of operating in at least a "multi-fuel" mode in which it is fueled by a liquid pilot- ignited gaseous fuel. It may also selectively be fueled in a "diesel-only" mode in which it is fueled solely by a liquid fuel or fuels. Engines operable in both modes are typically known as "dual-fuel" engines. The GFE has a liquid fuel controller that is "unmodified" in that it is not itself reprogrammed or otherwise modified from a stock liquid fuel controller for pilot fuel supply. Data signals supplied to the liquid fuel controller and used by it to control operation of the liquid fuel injector(s) instead are intercepted by a gaseous fuel controller and modified before being transmitted to the liquid fuel controller. The liquid fuel controller thereby is, in essence, "tricked" into controlling the liquid fuel injector(s) to effect pilot fuel supply during multi-fuel operation.

IPC 8 full level

**F02D 41/00** (2006.01)

CPC (source: EP)

**F02D 19/061** (2013.01); **F02D 19/0631** (2013.01); **F02D 19/066** (2013.01); **F02D 19/105** (2013.01); **F02D 41/0025** (2013.01); **F02D 41/266** (2013.01); **F02B 3/06** (2013.01); **F02B 2275/16** (2013.01); **F02D 19/0647** (2013.01); **F02D 41/0027** (2013.01); **F02D 41/009** (2013.01); **F02D 41/403** (2013.01); **F02D 2400/11** (2013.01); **Y02T 10/12** (2013.01); **Y02T 10/30** (2013.01)

Citation (search report)

See references of WO 2007115594A1

Cited by

FR3108676A1; WO2021191147A1

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Designated extension state (EPC)

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