Title (en)

Apparatus for controlling the temperature of fuel supplied to an engine

Title (de)

Vorrichtung zur Regelung der Temperatur des einer Brennkraftmaschine zugeführten Kraftstoffs

Title (fr)

Appareil pour le contrôle de la température du combustible fourni à un moteur

Publication

EP 1843036 A2 20071010 (EN)

Application

EP 07251459 A 20070402

Priority

GB 0606777 A 20060403

Abstract (en)

An apparatus (10) for controlling the temperature of fuel supplied to an engine is disclosed. The apparatus comprises a first inlet (20) for receiving fuel from a fuel tank; a second inlet (30) for receiving fuel returned from an engine; a first outlet (40) for passing fuel to an engine and a second outlet (50) for passing fuel to a fuel tank. A valve is also provided for directing fuel received from the second inlet (30) to one or both of the first (40) and second (50) outlets wherein the valve is arranged to vary the proportion of fuel directed to the first (40) and second (50) outlets. Varying the proportion of relatively hot fuel received from the engine via the second inlet (30) to be returned either to the engine and/or the fuel tank enables the temperature of fuel supplied to the engine to be controlled. The proportion of the fuel received from the second inlet (30) to be returned either to the engine and/or the fuel tank is preferably dependent upon the fuel temperature.

IPC 8 full level

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CPC (source: EP GB)

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Citation (applicant)

None

Cited by

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