

Title (en)

LIQUID FUEL VAPOURISATION APPARATUS FOR FUEL INJECTED INTERNAL COMBUSTION ENGINES

Title (de)

VERDAMPFUNGSVORRICHTUNG FÜR FLÜSSIGEN BRENNSTOFF FÜR BRENNKRAFTMASCHINEN MIT KRAFTSTOFFEINSPRITZUNG

Title (fr)

DISPOSITIF DE VAPORISATION DE COMBUSTIBLE LIQUIDE POUR MOTEURS A COMBUSTION INTERNE ET A INJECTION

Publication

EP 1232338 A1 20020821 (EN)

Application

EP 00974162 A 20001108

Priority

- AU 0001368 W 20001108
- AU PQ392999 A 19991109

Abstract (en)

[origin: WO0134962A1] Liquid fuel vapourisation apparatus (20) including: first pressure reduction means (43, 44) for receiving liquid fuel and reducing its pressure to a first controlled pressure to vapourise at least some of the fuel; a vapouriser (50) in fluid communication with the first pressure reduction means (43, 44) for receiving the partly vapourised fuel and vapourising the remainder of the liquid fuel to provide a gaseous fuel; a second pressure reduction means (47, 48) in fluid communication with the vapouriser (50) for receiving the gaseous fuel and reducing its pressure thereof to a second controlled pressure for delivery (17) to one or more of the fuel injectors of an internal combustion engine. The first and second pressure reduction means (43, 44, 47, 48) are either operatively interposed between the throttle body and the intake manifold of the engine or operatively incorporated into a throttle body.

IPC 1-7

F02M 31/18; **F02M 21/06**

IPC 8 full level

F02D 19/06 (2006.01); **F02M 21/06** (2006.01); **F02M 27/02** (2006.01); **F02M 31/18** (2006.01)

CPC (source: EP US)

F02D 19/0605 (2013.01 - EP); **F02D 19/0647** (2013.01 - EP US); **F02M 21/06** (2013.01 - EP); **F02M 27/02** (2013.01 - EP); **F02M 31/18** (2013.01 - EP US); **F02D 19/0671** (2013.01 - EP); **F02D 19/0694** (2013.01 - EP); **Y02T 10/12** (2013.01 - EP); **Y02T 10/30** (2013.01 - EP)

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