

Title (en)  
FUEL INJECTION DEVICE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)  
KRAFTSTOFFEINSPRITZEINRICHTUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)  
SYSTEME D'INJECTION DE CARBURANT POUR UN MOTEUR A COMBUSTION INTERNE

Publication  
**EP 1702157 B1 20070718 (DE)**

Application  
**EP 04762535 A 20040728**

Priority  
• DE 2004001690 W 20040728  
• DE 10343480 A 20030919

Abstract (en)  
[origin: DE10343480A1] A fuel injection device for a combustion engine comprises a high-pressure pump (14), store (16), measuring device for fuel quantity adjustment (36), transfer pump (12), an injector (20) and a fuel return (24) A control valve (42) connects to a discharge region (10) and fuel is only taken from the return in operation if the mixture is weak.

IPC 8 full level  
**F02M 63/02** (2006.01); **F02M 37/10** (2006.01); **F02M 47/02** (2006.01); **F02M 55/00** (2006.01); **F02M 59/34** (2006.01)

CPC (source: EP US)  
**F02M 37/106** (2013.01 - EP US); **F02M 47/027** (2013.01 - EP US); **F02M 55/002** (2013.01 - EP US); **F02M 59/34** (2013.01 - EP US);  
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**DE 10343480 A1 20050414**; CN 100455789 C 20090128; CN 1853043 A 20061025; DE 502004004399 D1 20070830; EP 1702157 A1 20060920; EP 1702157 B1 20070718; JP 2006514721 A 20060511; JP 4217714 B2 20090204; US 2006169252 A1 20060803; US 7219654 B2 20070522; WO 2005038237 A1 20050428

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