

Title (en)  
FUEL SUPPLY DEVICE

Title (de)  
KRAFTSTOFFZUFÜHRVORRICHTUNG

Title (fr)  
DISPOSITIF DE FOURNITURE DE CARBURANT

Publication  
**EP 2799704 A4 20151202 (EN)**

Application  
**EP 12863018 A 20121204**

Priority  
• JP 2011286982 A 20111227  
• JP 2012081348 W 20121204

Abstract (en)  
[origin: EP2799704A1] A fuel supply device comprises a return flow channel (39) for merging a first return flow channel (25) with a second return flow channel (27) at a merging point (D) and returning the flow channel to a fuel tank (3). A back pressure valve (29) is provided to the return flow channel (39), and back pressure is imparted to first injectors (1a-1d) and second injectors (1e-1h). Communicating flow channels (31a, 31 b) connect an intermediate pressure flow channel (13) to either the first return flow channel (25), the second return flow channel (27), or a portion upstream of the back pressure valve (29). A non-return valve (33) has lower open valve pressure than the back pressure, the non-return valve (33) is provided to the communicating flow channels (31a, 31b), and the non-return valve (33) allows fuel to be supplied from the intermediate pressure flow channel (13) to the first return flow channel (25) and the second return flow channel (27) and prevents the fuel from flowing the opposite direction.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 2013099533A1

Designated contracting state (EPC)  
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