

Title (en)  
FUEL FEEDER

Title (de)  
KRAFTSTOFFZUFUHRVORRICHTUNG

Title (fr)  
SYSTEME D'ALIMENTATION EN CARBURANT

Publication  
**EP 1424491 A4 20070214 (EN)**

Application  
**EP 02751657 A 20020724**

Priority  
• JP 0207470 W 20020724  
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Abstract (en)  
[origin: EP1424491A1] An object of the present invention is to reduce the size of a fuel supply device which is disposed inside the fuel tank of a two-wheeled vehicle or the like. A positive displacement plunger pump 20 comprising a plunger which performs a linearly reciprocating motion so as to suction and pressure feed fuel, and an entrance control-type fuel pressure regulator 50 which is connected to a discharge port 36a' of this plunger pump 20, and which adjusts the pressure of the fuel supplied to an injector 4, are integrally coupled to form a module which serves as a fuel supply device 10 disposed inside a fuel tank 1. By such means, the overall size of the fuel supply device 10 can be reduced (compacted), making the device particularly suited to installation in a small fuel tank of a two-wheeled vehicle or the like. <IMAGE>

IPC 8 full level  
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CPC (source: EP KR)  
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Citation (search report)  
• [A] US 4376618 A 19830315 - TOYODA AKIRA [JP], et al  
• [A] US 2717553 A 19550913 - PARKER LELAND C  
• [A] US 1853811 A 19320412 - HEWITT WILLIAM R  
• See references of WO 03014558A1

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Designated contracting state (EPC)  
DE FR GB IT

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**EP 1424491 A1 20040602**; **EP 1424491 A4 20070214**; CN 1311156 C 20070418; CN 1537199 A 20041013; JP 2003049732 A 20030221; KR 20040026695 A 20040331; TW 530119 B 20030501; WO 03014558 A1 20030220

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