

Title (en)  
Fuel pump unit apparatus

Title (de)  
Kraftstofffördereinheit

Title (fr)  
Groupe d'acheminement de carburant

Publication  
**EP 1657099 A3 20110727 (EN)**

Application  
**EP 05077581 A 20051110**

Priority  
JP 2004331315 A 20041116

Abstract (en)  
[origin: EP1657099A2] To reduce manufacturing cost of a fuel pump unit apparatus, a collar portion (1a), an insertion tube portion (1b) protruding upward from the collar portion (1a) and an external fuel discharge path (1c) are formed in a closing member (1), an internal fuel discharge path (2c) is provided in a holder member (2), and a regulator fuel insertion hole (2d) and a pump discharge path insertion hole (2b) are open toward the internal fuel discharge path (2c), the closing member (1) and the holder member (2) are screwed with each other, whereby a support member (3) is formed, a fuel pump (P) with a strainer (S) is pinched by the closing member (1) and the holder member (2), a pressure regulator (R) is attached to the holder member (2), and the internal fuel discharge path (2c) is connected to the external fuel discharge path (1c).

IPC 8 full level  
**B60K 15/077** (2006.01); **F02M 37/10** (2006.01)

CPC (source: EP)  
**F02M 37/0041** (2013.01); **F02M 55/04** (2013.01)

Citation (search report)

- [X] JP 2001050129 A 20010223 - KEIHIN CORP
- [I] JP H09112374 A 19970428 - KURATA KK
- [A] EP 1467083 A1 20041013 - MITSUBISHI ELECTRIC CORP [JP]
- [A] EP 1160446 A2 20011205 - MITSUBA CORP [JP]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1657099 A2 20060517; EP 1657099 A3 20110727; EP 1657099 B1 20131016**; DE 05077581 T1 20061228; JP 2006144553 A 20060608

DOCDB simple family (application)  
**EP 05077581 A 20051110**; DE 05077581 T 20051110; JP 2004331315 A 20041116