

Title (en)  
Fuel-feed pump

Title (de)  
Kraftstoffförderpumpe

Title (fr)  
Pompe d'alimentation en carburant

Publication  
**EP 1227242 A3 20030611 (EN)**

Application  
**EP 01128495 A 20011207**

Priority  
JP 2001015664 A 20010124

Abstract (en)  
[origin: EP1227242A2] In order to provide a fluid pump where the discharge amount is stable even when there are pressure fluctuations on the side of an intake line 70, there is provided a forco-feeding pump 90 for taking in fuel from the intake line 70 and discharging fuel towards a discharge line 80, and an opening and closing valve 100 located in such a manner as to provide urging in a direction closing a path of the intake line 70, and opening the path of the discharge line 80 when the pressure of fuel discharged towards the discharge line 80 exceeds a prescribed pressure. At a piston 110 of the opening and closing valve 100, the pressure of fuel within the intake line 70 acts in opposition to the pressure of the discharged fuel. <IMAGE>

IPC 1-7  
**F04B 49/22**

IPC 8 full level  
**F04B 49/22** (2006.01)

CPC (source: EP)  
**F04B 49/225** (2013.01); **F04B 2205/01** (2013.01); **F04B 2205/12** (2013.01)

Citation (search report)  
• [X] US 4187813 A 19800212 - STUMPP GERHARD [DE]  
• [A] DE 19738502 A1 19990304 - BOSCH GMBH ROBERT [DE]  
• [A] US 5971718 A 19991026 - KRUEGER HINRICH [DE], et al  
• [A] EP 1001167 A2 20000517 - MIKUNI ADEC CORP [JP]  
• [A] US 4314797 A 19820209 - GERWIN REINHARD  
• [A] EP 0953764 A1 19991103 - MAGNETI MARELLI SPA [IT]

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1227242 A2 20020731; EP 1227242 A3 20030611; EP 1227242 B1 20070117**; DE 60126056 D1 20070308; DE 60126056 T2 20070712

DOCDB simple family (application)  
**EP 01128495 A 20011207**; DE 60126056 T 20011207