

Title (en)  
Fuel valve

Title (de)  
Zapfventil

Title (fr)  
Buse de distribution

Publication  
**EP 2386520 B1 20130403 (DE)**

Application  
**EP 10005085 A 20100514**

Priority  
EP 10005085 A 20100514

Abstract (en)  
[origin: EP2386520A1] The nozzle has an inlet (2), an outlet pipe (3), a main valve for controlling the liquid flow between inlet and outlet pipe, a shift lever for actuating the main valve and an automatic safety shutdown which moves the main valve in the closed position. The main valve is pressed under the effect of unit for pretensioning the main valve in the closed position in full operation. The density of the main valve is reduced. An independent claim is also included for a valve stem guide with a stem guide sleeve.

IPC 8 full level  
**B67D 7/52** (2010.01); **B67D 7/44** (2010.01)

CPC (source: EP US)  
**B67D 7/44** (2013.01 - EP US); **B67D 7/48** (2013.01 - US); **B67D 7/52** (2013.01 - EP US)

Cited by  
EP4105166A1; EP4269327A1; WO2022263341A1; WO2023208700A1; EP3369700A1; EP2733113A1; CN104986715A; EP2687479A1; US9242849B2; EP4234481A1; WO2023161205A1; EP3974374A1; WO2021009283A1; US10988370B2; WO2022069319A1; EP4385942A2; WO2021104961A1; EP4163249A1; US11999610B2; EP2428485A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2386520 A1 20111116; EP 2386520 B1 20130403**; AU 2011201961 A1 20120301; AU 2011201961 B2 20150402; CN 102320548 A 20120118; CN 102320548 B 20150325; DK 2386520 T3 20130506; ES 2408212 T3 20130619; HK 1159594 A1 20120803; NZ 592812 A 20130125; PL 2386520 T3 20130830; PT 2386520 E 20130528; US 2011277880 A1 20111117; US 8695648 B2 20140415

DOCDB simple family (application)  
**EP 10005085 A 20100514**; AU 2011201961 A 20110429; CN 201110133194 A 20110511; DK 10005085 T 20100514; ES 10005085 T 20100514; HK 11114055 A 20111229; NZ 59281211 A 20110512; PL 10005085 T 20100514; PT 10005085 T 20100514; US 201113105627 A 20110511