

Title (en)
Pumping device for several fuels

Title (de)
Pumpvorrichtung für mehrere Kraftstoffe

Title (fr)
Dispositif de pompage pour plusieurs carburants

Publication
EP 1065384 A1 20010103 (EN)

Application
EP 99202093 A 19990628

Priority
EP 99202093 A 19990628

Abstract (en)

The invention relates to a pumping device for several different, relatively volatile vehicle fuels, comprising a number of pump units (1) each having a closed pump housing (5) with an intake (6) connected to a supply of one of the vehicle fuels, at least one discharge connected to a delivery means of a vehicle fuel station, and a hydrodynamic fuel pump with a fuel inlet (7) drawing from the interior of the pump housing (5) and a pressure outlet connected to the discharge. The pump further comprises one single gas pump (3) with a gas inlet drawing from the pump housing (5) of each of the pump units. <IMAGE>

IPC 1-7
F04D 13/02; B67D 5/04; B67D 5/58; F04D 9/04

IPC 8 full level
B67D 7/04 (2010.01); **B67D 7/76** (2010.01); **F04D 9/04** (2006.01); **F04D 13/02** (2006.01)

CPC (source: EP)
B67D 7/04 (2013.01); **B67D 7/763** (2013.01); **F04D 9/041** (2013.01); **F04D 13/02** (2013.01)

Citation (search report)

- [A] DE 29512158 U1 19951019 - MORETTI BRUNO [IT]
- [A] FR 875245 A 19420911 - RATEAU SOC
- [A] US 1549608 A 19250811 - RAYNES CLARENCE R
- [A] US 5323817 A 19940628 - SPALDING ROBERT G [US]
- [A] GB 350551 A 19310615 - DRYSDALE & CO LTD, et al

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

DOCDB simple family (publication)
EP 1065384 A1 20010103; AU 5980000 A 20010131; WO 0100994 A1 20010104

DOCDB simple family (application)
EP 99202093 A 19990628; AU 5980000 A 20000628; EP 0006045 W 20000628