

Title (en)
Pump housing

Title (de)
Pumpengehäuse

Title (fr)
Carter de pompe

Publication
EP 1045142 A3 20010221 (DE)

Application
EP 00105659 A 20000317

Priority
DE 19916376 A 19990412

Abstract (en)
[origin: EP1045142A2] The pump is enclosed in a pressure casing (15) in which are constructed pressure channels (60), with the pressure casing attached to a main casing (14) accommodating the pump unit (6). The pressure casing and pumps units are made of a high strength material, preferably steel, and the main casing is made of lower strength material, preferably aluminium or aluminium alloy. The pressure channel opens out into a housing (18) for the pump unit. An Independent claim is included for a fuel pump in a radial piston design has a pump casing in which up to three pump unit are housed.

IPC 1-7
F04B 1/04; **F04B 53/16**

IPC 8 full level
F04B 1/04 (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)
F04B 1/0404 (2013.01); **F04B 53/16** (2013.01); **F05C 2201/021** (2013.01)

Citation (search report)
• [XY] DE 19725563 A1 19981224 - MANNESMANN REXROTH AG [DE]
• [XY] GB 627329 A 19490808 - GEORGE JOSEPH TRAPP
• [YA] US 3682572 A 19720808 - YARGER DONALD L
• [XA] US 2309551 A 19430126 - JOSEPH TRAPP GEORGE, et al
• [XA] EP 0304743 A1 19890301 - WEBER SRL [IT]

Cited by
US7775192B2; US2012294746A1; CN102483017A; CN109854495A; CN109989913A; WO2009065674A1; WO2011020635A1; JP2013502523A

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 1045142 A2 20001018; **EP 1045142 A3 20010221**; DE 19916376 A1 20001019

DOCDB simple family (application)
EP 00105659 A 20000317; DE 19916376 A 19990412