

Title (en)

RADIAL PISTON PUMP FOR HIGH PRESSURE FUEL SUPPLY

Title (de)

RADIALKOLBENPUMPE ZUR KRAFTSTOFFHOCHDRUCKVERSORGUNG

Title (fr)

POMPE A PISTONS RADIAUX POUR ALIMENTATION HAUTE PRESSION EN CARBURANT

Publication

EP 1047876 A1 20001102 (DE)

Application

EP 98966165 A 19981125

Priority

- DE 9803467 W 19981125
- DE 19801353 A 19980116

Abstract (en)

[origin: DE19801353A1] The pump casing top(10) has a through-hole(9) extending radially to the drive shaft(2) and into which is shrinked a sleeve(8) to house the piston(5). The casing top lies by a flat contact face(60) against a flat contact face(61) of casing base(1). The through-hole has a section(11) with a larger diameter to accommodate the sleeve, and a section(12) of smaller diameter to accommodate a shut-off element(20). The section with the smaller diameter is larger than the internal diameter of the sleeve.

IPC 1-7

F04B 1/04

IPC 8 full level

F02M 59/06 (2006.01); **F02M 59/44** (2006.01); **F04B 1/04** (2006.01); **F04B 1/047** (2006.01); **F04B 1/053** (2006.01); **F04B 53/00** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)

F04B 1/0421 (2013.01 - EP US)

Citation (search report)

See references of WO 9936698A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19801353 A1 19990722; DE 59807345 D1 20030403; EP 1047876 A1 20001102; EP 1047876 B1 20030226; JP 2002509224 A 20020326; US 6698399 B1 20040302; WO 9936698 A1 19990722

DOCDB simple family (application)

DE 19801353 A 19980116; DE 59807345 T 19981125; DE 9803467 W 19981125; EP 98966165 A 19981125; JP 2000540373 A 19981125; US 60039600 A 20000825