

Title (en)

RADIAL PISTON PUMP FOR SUPPLYING FUEL AT HIGH PRESSURE

Title (de)

RADIALKOLBENPUMPE ZUR KRAFTSTOFFHOCHDRUCKVERSORGUNG

Title (fr)

POMPE A PISTONS RADIAUX POUR L'ALIMENTATION HAUTE PRESSION EN CARBURANT

Publication

EP 1058783 B1 20020410 (DE)

Application

EP 98952547 A 19980904

Priority

- DE 9802611 W 19980904
- DE 19744577 A 19971009

Abstract (en)

[origin: DE19744577A1] The device has a back pressure valve (68) on the high pressure side. Except for a valve body (78) engaging on a sealing seat (76), the valve is a preassembled modular unit (88), fitted into an installation aperture (74). It is tensioned against a pump component (16) to form a high pressure seal. The modular unit has a closure element (90) with an outer thread (92) screwed into an inner thread (86) of the installation aperture.

IPC 1-7

F02M 59/46; **F04B 53/10**

IPC 8 full level

F02M 59/06 (2006.01); **F02M 59/46** (2006.01); **F04B 1/04** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)

F02M 59/462 (2013.01 - EP US); **F04B 1/0448** (2013.01 - EP US); **F04B 53/1007** (2013.01 - EP US); **Y10T 137/7928** (2015.04 - EP US)

Cited by

WO2005078273A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19744577 A1 19990422; DE 59803797 D1 20020516; EP 1058783 A1 20001213; EP 1058783 B1 20020410; JP 2001520349 A 20011030; JP 4235358 B2 20090311; US 6332761 B1 20011225; WO 9919621 A1 19990422

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DE 19744577 A 19971009; DE 59803797 T 19980904; DE 9802611 W 19980904; EP 98952547 A 19980904; JP 2000516150 A 19980904; US 52922400 A 20000605