

Title (en)

High pressure pump with integrated high pressure accumulator

Title (de)

Hochdruckpumpe mit integriertem Hochdruckspeicher

Title (fr)

Pompe à haute-pressure avec accumulateur haute-pressure intégré

Publication

EP 1582740 A3 20060118 (DE)

Application

EP 05101680 A 20050304

Priority

DE 102004015266 A 20040329

Abstract (en)

[origin: EP1582740A2] The high pressure pump (1) has a pump casing (2) and high pressure accumulator (4) integrated therein. The HP accumulator has a HP seal (5) installed to lie inside the pump casing. The pump casing and HP accumulator are constructed in one piece. The HP accumulator is hydraulically connected parallel to at least one HP outlet (6) of the pump. The HP pump is a radial piston pump with at least two pump units (7).

IPC 8 full level

F04B 23/02 (2006.01); **F04B 1/04** (2006.01)

CPC (source: EP)

F04B 1/0404 (2013.01)

Citation (search report)

- [XY] US 6186118 B1 20010213 - SPAKOWSKI JOSEPH GEORGE [US]
- [Y] WO 02084105 A1 20021024 - BOSCH GMBH ROBERT [DE], et al
- [Y] US 6398315 B1 20020604 - DINKEL DIETER [DE], et al
- [A] EP 1302655 A2 20030416 - FIAT RICERCHE [IT]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 01 31 January 2000 (2000-01-31)

Cited by

US9593653B2; WO2011104052A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1582740 A2 20051005; EP 1582740 A3 20060118; EP 1582740 B1 20070704; DE 102004015266 A1 20051020;
DE 502005000953 D1 20070816

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EP 05101680 A 20050304; DE 102004015266 A 20040329; DE 502005000953 T 20050304