

Title (en)

Portable hydraulic pump group for operating tools

Title (de)

Tragbare hydraulische Pumpengruppe für den Betrieb von Werkzeugen

Title (fr)

Groupe de pompes hydrauliques portatif pour le fonctionnement d'outils

Publication

EP 2333335 B1 20121031 (DE)

Application

EP 10014964 A 20101125

Priority

IT BZ20090052 A 20091202

Abstract (en)

[origin: EP2333335A1] The pump has an eccentric disk (5a) operated by a motor and acting at an end of a plunger such that a small piston (2a) with a cylinder (3a), which is arranged coaxial to a valve body (1a), is sealed. The cylinder is hydraulically connected with a line for power supply of cylinder (7) of a tool (W). The plunger is axially displaced together with a closure body (1x) in relation to the angle of rotation of the eccentric disk for continuous changing of flow cross-section for oil, which comes from the cylinder of the tool, to penetrate into a valve and exit around a tank (1).

IPC 8 full level

F04B 1/00 (2006.01); **B25F 5/00** (2006.01); **F04B 3/00** (2006.01); **F04B 5/00** (2006.01); **F04B 25/00** (2006.01)

CPC (source: EP US)

B25B 27/10 (2013.01 - EP); **F04B 1/00** (2013.01 - EP US); **F04B 3/003** (2013.01 - EP US); **F04B 5/00** (2013.01 - EP); **F04B 25/00** (2013.01 - EP)

Cited by

EP3252361A1; DE102016110324A1; CN113027870A; EP3053705A4; DE102017200212A1; DE102017012400B3; US10851909B2; DE102017200212B4

Designated contracting state (EPC)

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EP 2333335 A1 20110615; **EP 2333335 B1 20121031**; IT 1397324 B1 20130110; IT BZ20090052 A1 20110603

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