

Title (en)

Pump power unit

Title (de)

Pumpenaggregat

Title (fr)

Groupe motopompe

Publication

EP 2642122 B1 20140521 (DE)

Application

EP 12160580 A 20120321

Priority

EP 12160580 A 20120321

Abstract (en)

[origin: EP2642122A1] The pump device has a high-pressure pump (5), a low-pressure pump (6), a common electric submersible motor (7) and an oil-containing housing (4) with a recirculation connection (8) for connecting a recirculation line (9). A low pressure-switching valve (U) and a check valve (R) are arranged inside the housing from the valve combination (V) and are connected, so that the delivery rate of the pumps are united in the housing interior to a single discharge outlet (13) of the housing, at which the system pressure relief valve (DB) mounted outside the housing is connected.

IPC 8 full level

F04B 17/03 (2006.01); **F04B 17/06** (2006.01)

CPC (source: EP US)

F04B 1/08 (2013.01 - EP US); **F04B 17/03** (2013.01 - EP US); **F04B 17/06** (2013.01 - EP US)

Cited by

DE102016225923B4; DE102016225923A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2642122 A1 20130925; EP 2642122 B1 20140521; CN 103321869 A 20130925; CN 103321869 B 20170301; US 2013251558 A1 20130926; US 9212655 B2 20151215

DOCDB simple family (application)

EP 12160580 A 20120321; CN 201310090780 A 20130320; US 201313839122 A 20130315