

Title (en)
Motor pump unit

Title (de)
Motorpumpenaggregat

Title (fr)
Agrégat de pompes de moteur

Publication
EP 2241753 B1 20120801 (DE)

Application
EP 09005384 A 20090415

Priority
EP 09005384 A 20090415

Abstract (en)
[origin: EP2241753A1] The aggregate (A) has toothed wheel-pump element (Z1) is mounted on a toothed wheel-pump element-mounting region (14) of the support plate (TP1), and connected at a pressure channel (K). A radial piston pump element is mounted on a radial piston-pump element mounting region of the support plate. The pressure channel is connected with a connecting region (B) by a pipe nipple (N) directly inserted in a pressure channel opening (25). The nipple is extended in to the outer housing over a distance between an outer edge (13) of the support plate and an inner wall (7) of the outer housing.

IPC 8 full level
F04B 17/03 (2006.01); **F04B 23/02** (2006.01); **F04B 53/08** (2006.01)

CPC (source: EP)
F04B 17/03 (2013.01); **F04B 23/02** (2013.01); **F04B 53/08** (2013.01)

Cited by
DE102015207033A1; DE102018214555A1; CN110863981A; DE102017127675A1; US11971024B2; EP3536952A1; WO2018041401A1; WO2019101674A1; US11530692B2; DE102017127675B4; EP2642122A1; US9212655B2; US11053954B2; US11193491B2; DE102018214555B4; DE102019206333B4; EP3504433B1

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
EP 2241753 A1 20101020; **EP 2241753 B1 20120801**; ES 2389633 T3 20121029

DOCDB simple family (application)
EP 09005384 A 20090415; ES 09005384 T 20090415