

Title (en)
Pump unit

Title (de)
Pumpenaggregat

Title (fr)
Ensemble de pompage

Publication
EP 1731762 A1 20061213 (DE)

Application
EP 06001060 A 20060118

Priority
DE 202005005620 U 20050408

Abstract (en)
The pump unit has a one-piece cast hollow body (1) with a stator retaining collar, a bearing plate transverse wall, a one-piece inner wall, and an electric motor fixed to the collar. The bearing plate is transversely fastened to a pump, in which pressure is transferred laterally by a pressure medium transferring path in the wall. Ends of the hollow body have sealing surfaces on fixed covers (8, 9) and an oil reservoir. A transmission circuit is provided in a channel in the wall and a radial piston pump element extends to a clamping surface from the terminal block (3) of the transverse wall.

IPC 8 full level
F04B 23/02 (2006.01)

CPC (source: EP US)
F04B 23/025 (2013.01 - EP US); **Y10T 29/49229** (2015.01 - EP US); **Y10T 29/49236** (2015.01 - EP US)

Citation (search report)
• [A] EP 0940578 A1 19990908 - HEILMEIER & WEINLEIN [DE]
• [A] US 6589029 B1 20030708 - HELLER ROLAND [DE]
• [A] DE 3839689 A1 19900531 - PICKEL RUDOLF [DE]
• [A] US 2001028850 A1 20011011 - NEUMAIR GEORG [DE]

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DE102016225923A1; DE102016225923B4; EP2241753A1; US11971024B2; EP2799713A1; EP2642122A1; US9212655B2

Designated contracting state (EPC)
DE FR IT

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
DE 202005005620 U1 20060817; EP 1731762 A1 20061213; EP 1731762 B1 20150422; US 2006228235 A1 20061012;
US 7448858 B2 20081111

DOCDB simple family (application)
DE 202005005620 U 20050408; EP 06001060 A 20060118; US 33635106 A 20060120