

Title (en)

PUMP WITH A PUMP SHAFT WHICH EXTENDS THROUGH A DRIVE MOTOR

Title (de)

PUMPE MIT EINEN ANTRIEBSMOTOR DURCHSETZENDER PUMPENWELLE

Title (fr)

POMPE POURVUE D'UN ARBRE S'ETENDANT A TRAVERS UN MOTEUR DE COMMANDE

Publication

EP 1468189 B1 20070704 (DE)

Application

EP 03731690 A 20030122

Priority

- DE 20201183 U 20020125
- EP 0300580 W 20030122

Abstract (en)

[origin: WO03062642A1] A pump (10) with a pump shaft (20) which extends through the rotor (54) of a drive motor (52) which is arranged in a motor housing (30), and beyond the shaft bearing (22) thereof, provided towards the end thereof with a pump wheel (46) fitted with blades (45). The motor housing (30) is surrounded by a pump housing (12), defining a ring-shaped area (50) at a radial distance (a). Said pump housing encompasses, with a neck section (16) thereof, the pump wheel (46), the latter being connected to the pump shaft by means of a hub (42) which defines the ring-shaped area (50) in relation to the longitudinal axis (A) of the pump (10,11). The blades (45) extend into the ring-shaped area (50). A dish-shaped hub (42) of the pump wheel (46) is provided with sleeves (44) internally protruding in a central manner from the bottom of the dish (43) for receiving one end (21) of the pump shaft.

IPC 8 full level

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CPC (source: EP)

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