

Title (en)

Pump with electric motor, submerged in the liquid to be pumped

Title (de)

Elektromotorpumpe, die in die zu pumpende Flüssigkeit eingetaucht ist

Title (fr)

Pompe a moteur electrique, immergee dans le fluide a pomper

Publication

**EP 1908960 A1 20080409 (FR)**

Application

**EP 07117499 A 20070928**

Priority

FR 0653986 A 20060928

Abstract (en)

The pump has a casing plunged into a fluid. A centrifugal wheel (28) is provided on the casing. A coaxial electric motor (16) surmounts the centrifugal wheel. A stator is integral with the casing. A rotor is integral with a shaft (22), which is coupled to the centrifugal wheel. An axial balancing system (60) is defined by a fluid circulation circuit provided between the centrifugal wheel and the casing. A fluid cooling circuit (90) is provided for the motor and a rolling bearing. A supply circuit of the axial balancing system is independent of the cooling circuit.

Abstract (fr)

Circuits de circulation auxiliaire du fluide dans la pompe pour l'équilibrage axial et le refroidissement de certaines parties de la pompe. La pompe comporte une zone centrifuge (28) avec un système d'équilibrage axial (60) fluide et le circuit d'alimentation de ce système d'équilibrage est indépendant du ou chaque circuit de refroidissement fluide (90, 50, 48, 52, 86) de certains éléments de la pompe tels que le moteur (16) et/ou un roulement (38).

IPC 8 full level

**F04D 13/06** (2006.01); **F04D 29/04** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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DOCDB simple family (application)

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