

Title (en)

Centrifugal pump driven by a synchronous motor.

Title (de)

Kreiselpumpe durch einen Synchronmotor angetrieben.

Title (fr)

Pompe centrifuge entraînée par un moteur synchrone.

Publication

**EP 0501109 A1 19920902 (EN)**

Application

**EP 92100304 A 19920110**

Priority

IT PN910006 U 19910227

Abstract (en)

Centrifugal pump driven by a synchronous motor and comprising a pressure chamber (3) having a circular cross-section and provided with a peripheral outlet (4) from which a delivery pipe (5) branches off radially. In said pressure chamber (3) is provided a baffle (11) which is freely hinged on an axis parallel to the drive shaft (7) of an impeller (8) formed with radial blades (9). Depending on the direction of rotation of the impeller (8), the baffle (11) is moved to either of two operative positions in which a free end portion (13) thereof abuts against the edge of the outlet (4). <IMAGE>

IPC 1-7

**F04D 13/06**; **F04D 15/00**; **F04D 29/48**

IPC 8 full level

**F04D 13/06** (2006.01); **F04D 15/00** (2006.01); **F04D 29/48** (2006.01)

CPC (source: EP)

**F04D 13/06** (2013.01); **F04D 29/486** (2013.01)

Citation (search report)

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Cited by

CN110439863A; EP0664397A1; GB2353330A; GB2353330B; EP3156662A1; CN108138800A; US6524078B1; WO2017063969A1

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