

Title (en)

An adjustable centrifugal pump with shutter actuated by means of a roto-translating system of inclined surfaces

Title (de)

Verstellbare Kreispumpe mit einer Hülse, die mittels eines Dreh-Translationssystems von geneigten Flächen betätigt wird

Title (fr)

Pompe centrifuge réglable avec obturateur actionné au moyen d'un système de translation-rotation de surfaces inclinées

Publication

EP 2902631 B1 20181024 (EN)

Application

EP 15000548 A 20150121

Priority

IT MI20140157 A 20140204

Abstract (en)

[origin: EP2902631A1] An adjustable centrifugal pump (10) comprising a flanged body (11) connectable to a volute with an appendage (14) suitable to house an actuator device, a crankshaft, an impeller (32), a cup-shaped shutter (50) suitable to slide axially and position itself on the outer perimeter of the impeller (32); with a rotor (40), rotatably and concentrically housed externally to said shutter (50), having inclined surfaces (42) acting in conjunction with further inclined surfaces (52) of the shutter (50), so that a rotation of said rotor (40), corresponds to a translation of said shutter (50).

IPC 8 full level

F04D 15/00 (2006.01)

CPC (source: EP)

F04D 15/0038 (2013.01)

Cited by

WO2019053377A1; FR3071278A1; CN111417785A; CN114391066A; EP4031774A4; US11168694B2

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