

Title (en)
Centrifugal pump assembly

Title (de)
Kreispumpenaggregat

Title (fr)
Agréгат de pompe centrifuge

Publication
EP 2669525 A1 20131204 (DE)

Application
EP 12170230 A 20120531

Priority
EP 12170230 A 20120531

Abstract (en)
The centrifugal pump has an impeller that is rotatably mounted on a shaft, which is sealed off by seal (11) to a surrounding housing. The seal is opened towards a container (12) for the collection of the fluid, and is configured to detect fluid in or out of the container. The container is annular and is configured to surround the shaft. A sensor (20) configured for detecting the flow rate of drops. A discharge opening is followed by the tubes (21,22) formed by the sensor whose other end is open to the outside or to a discharge line.

Abstract (de)
An die Gleitring-Cartridge (11) einer mehrstufigen Kreispumpe ist nach oben ein Behälter (12) angeschlossen, welche etwaige aus dem Dichtspalt austretende Flüssigkeit auffängt und über einen Sensor (20) nach außen ableitet. Mittels des Sensors (20) wird die Menge der austretenden Flüssigkeit erfasst.

IPC 8 full level
F04D 15/02 (2006.01); **F04D 29/12** (2006.01)

CPC (source: EP)
F04D 15/0263 (2013.01); **F04D 29/128** (2013.01); **F05D 2260/6022** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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