

Title (en)

Centrifugal pump with axially shiftable impeller for feeding different fluid paths

Title (de)

Kreiselpumpe mit axial verschiebbarem Laufrad zur Förderung unterschiedlicher Strömungswege

Title (fr)

Pompe centrifuge avec roue à aubes déplaçable axialement pour l'alimentation de circuits différents

Publication

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Application

EP 13174144 A 20130627

Priority

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Abstract (en)

[origin: WO2014207031A1] The invention relates to a pump assembly (2) having an electrical drive motor (14) and at least one impeller wheel (18) driven by said motor, wherein the impeller wheel (18) is movable in the axial direction (X) between at least one first and one second position, wherein, in the first axial position, the impeller wheel (18) is located in a first flow path through the pump assembly (2) and conveys a fluid through said first flow path and, in the second position, the impeller wheel (18) is located in a second flow path through the pump assembly (2) and conveys a fluid through said second flow path, wherein the pump assembly (2) is designed so that a movement of the impeller wheel (18) between the first and the second position at least in one direction occurs owing to a hydraulic force generated by the conveyed fluid and having effect on the impeller wheel (18), and a heating system having such a pump assembly.

IPC 8 full level

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CPC (source: EP US)

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