

Title (en)
Multi-layer circulation pump

Title (de)
Mehrstufige Kreiselpumpe

Title (fr)
Pompe centrifuge à plusieurs niveaux

Publication
EP 2420677 A1 20120222 (DE)

Application
EP 10008614 A 20100818

Priority
EP 10008614 A 20100818

Abstract (en)
The multistage centrifugal pump has several wheels (36) in each pump stage (34) on common shaft (40). An impeller (6) and a diffuser (38) are arranged on each wheel. The liquid to be conveyed in the axial direction parallel to the rotational axis is made to enter into the impeller of first self-priming stage. The liquid from impeller of first self-priming stage is supplied to impeller of next stage in the axial direction.

Abstract (de)
Die Erfindung betrifft eine mehrstufige Kreiselpumpe mit zumindest zwei Stufen, wobei zumindest eine erste Stufe selbstansaugend ist, wobei die erste Stufe ein Laufrad (36) aufweist, welches derart ausgebildet ist, dass die zu fördernde Flüssigkeit in axialer Richtung parallel zur Drehachse (X) in das Laufrad eintritt und in derselben axialen Richtung aus dem Laufrad aus- und in ein Laufrad der zweiten Stufe eintritt.

IPC 8 full level
F04D 1/06 (2006.01); **F04D 5/00** (2006.01); **F04D 9/02** (2006.01); **F04D 29/18** (2006.01); **F04D 29/22** (2006.01)

CPC (source: EP)
F04D 1/066 (2013.01); **F04D 5/002** (2013.01); **F04D 9/02** (2013.01); **F04D 29/188** (2013.01); **F04D 29/2216** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
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