

Title (en)
Impeller for a centrifugal pump with magnets

Title (de)
Lauftrad einer Kreiselpumpe mit Magneten

Title (fr)
Roue mobile d'une pompe centrifuge à aimants

Publication
EP 2735744 A3 20170816 (DE)

Application
EP 13005445 A 20131120

Priority
DE 102012022851 A 20121123

Abstract (en)
[origin: EP2735744A2] The impeller has a rear-side support plate (7) on which several runner blades (8) are arranged by which rear side of the permanent magnets (12) are secured. Permanent magnets are arranged within the extrusion-coated plastic side of the rear-side support plate for trapping the feed liquid particles present in the impeller main portion. A material layer is arranged on the side of the magnets which are faced on the rear-side support plate for covering the magnet and rear-side support plate, such that the coverage of injection-molded portion is formed.

IPC 8 full level
F04D 29/02 (2006.01); **F04D 13/06** (2006.01); **F04D 29/22** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP)
F04D 13/0613 (2013.01); **F04D 29/026** (2013.01); **F04D 29/2288** (2013.01); **F04D 29/708** (2013.01); **F05D 2300/43** (2013.01)

Citation (search report)

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- [IA] EP 1353074 A2 20031015 - WILO AG [DE]
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- [A] EP 1130741 A2 20010905 - WILO GMBH [DE]

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EP4056851A1; WO2022189395A1

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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