

Title (en)

PUMP DEVICE COMPRISING A FLOW GUIDING ELEMENT

Title (de)

PUMPVORRICHTUNG MIT EINEM STRÖMUNGSLEITELEMENT

Title (fr)

DISPOSITIF DE POMPAGE COMPORTANT UN ÉLÉMENT DE GUIDAGE D'ÉCOULEMENT

Publication

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Application

EP 13795499 A 20131126

Priority

- EP 12197150 A 20121214
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Abstract (en)

[origin: WO2014090559A2] The invention relates to a pump device comprising an impeller (10a; 10c), which is mounted to rotate about a rotational axis (11a; 11b; 11c) in order to convey a pumpable medium, an inlet housing (12a), which opens out into a priming region (13a) upstream of the impeller (10a; 10c), and comprising a flow guiding element (14a; 14b), which is arranged at least partially inside the priming region (13a) and which is designed to guide the medium flowing towards the impeller (10a; 10c). According to the invention, the at least one flow guiding element (14a; 4b; 14c, 15c) is designed at least partially as an annular segment.

IPC 8 full level

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CPC (source: EP US)

F04D 3/005 (2013.01 - US); **F04D 19/002** (2013.01 - US); **F04D 29/181** (2013.01 - US); **F04D 29/32** (2013.01 - US); **F04D 29/4273** (2013.01 - EP US); **F04D 29/448** (2013.01 - EP US); **F04D 29/54** (2013.01 - US); **F04D 29/64** (2013.01 - US); **F04D 29/688** (2013.01 - EP US); **F05D 2250/51** (2013.01 - EP)

Citation (search report)

See references of WO 2014090559A2

Designated contracting state (EPC)

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Designated extension state (EPC)

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WO 2014090559 A2 20140619; **WO 2014090559 A3 20140925**; BR 112015012357 A2 20170711; CN 104995411 A 20151021; CN 104995411 B 20181106; EP 2932105 A2 20151021; EP 2932105 B1 20210421; ES 2866725 T3 20211019; IN 3297DEN2015 A 20151009; US 10634165 B2 20200428; US 2015300371 A1 20151022

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