

Title (en)  
IMPELLER

Title (de)  
LAUFRAD

Title (fr)  
ROUE

Publication  
**EP 1747377 A1 20070131 (EN)**

Application  
**EP 05732227 A 20050414**

Priority  
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Abstract (en)  
[origin: WO2005100796A1] The present invention. relates to an open or half- open channel impeller for a centrifugal pump for waste-water. The channel impeller has a substantially circular periphery and comprises a central hub with a hub axis and a hub plane to which the hub axis extends perpendicularly. The channel impeller further comprises at least one blade which extends from the hub to the periphery. Each blade has a front edge adjacent to the hub, which front edge is continuously curved with an inclination to the hub plane which is 20<°> minimum and 50° maximum. The invention also relates to a centrifugal pump comprising such a channel impeller.

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**F04D 7/04** (2006.01); **F04D 29/22** (2006.01); **F04D 29/24** (2006.01)

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Citation (third parties)  
Third party :  
• FLYGT ITT INDUSTRIES: "Parts list - 2066.171, 2033.171-U, 2066.171-W", PARTS LIST, November 2001 (2001-11-01), pages 1 - 16, XP003011408  
• FLYGT ITT INDUSTRIES: "Parts list - 2052.170, 2052.170-U, 2052.170-W", PARTS LIST, May 2003 (2003-05-01), pages 1 - 15, XP003011409  
• See also references of WO 2005100796A1

Cited by  
US12031554B2; EP3971422A1; WO2022063712A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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