

Title (en)  
IMPELLER

Title (de)  
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ROUE

Publication  
**EP 1747377 B1 20090121 (EN)**

Application  
**EP 05732227 A 20050414**

Priority  
• SE 2005000541 W 20050414  
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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.

IPC 8 full level  
**F04D 7/04** (2006.01); **F04D 29/22** (2006.01); **F04D 29/24** (2006.01)

IPC 8 main group level  
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Citation (examination)  
• ITT FLYGT AB: "PARTS LIST 2066.171, 2066.171-U, 2066.171-W", PARTS LIST, November 2001 (2001-11-01), Sweden  
• EDH: "IMPELLER", DRAWING NO. 270 21 00, 26 May 2007 (2007-05-26)  
• ITT FLYGT AB: "PARTS LIST 2052.170, 2052.170-U, 2052.170-W", PARTS LIST, May 2003 (2003-05-01)  
• EDH: "IMPELLER", DRWING NO. 265 35 00, 26 May 2007 (2007-05-26)

Cited by  
EP3971422A1; US12031554B2; WO2022063712A1

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DOCDB simple family (publication)  
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