

Title (en)  
Sealing device for pump impeller

Title (de)  
Dichtungsvorrichtung für Pumpenlaufrad

Title (fr)  
Dispositif d'étanchéité pour rouet de pompe

Publication  
**EP 0672832 B1 19980520 (EN)**

Application  
**EP 95850055 A 19950313**

Priority  
SE 9400881 A 19940316

Abstract (en)  
[origin: EP0672832A1] The invention concerns a device for sealing off the slot between a pump impeller and a pump housing in a centrifugal pump. The inlet part (2) of the pump housing (1) is designed with a collar (2) which concentrically surrounds a corresponding opposite collar formed part (5) of the pump impeller inlet, thus linking any possible leakage flow in parallel with the main flow into the impeller and minimizing the disturbance in the main flow. In order to minimize the leakage flow an O-ring (7) is arranged in front of the opening to the slot (8) between the parts (2) and (5).  
<IMAGE>

IPC 1-7  
**F04D 29/16**

IPC 8 full level  
**F04D 29/08** (2006.01); **F04D 29/16** (2006.01)

CPC (source: EP)  
**F04D 29/167** (2013.01)

Cited by  
DE102006024997A1; CN107917100A; FR2911166A1; DE19613486A1; DE19613486C2; EP2813711B1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0672832 A1 19950920; EP 0672832 B1 19980520**; CA 2144692 A1 19950917; CA 2144692 C 20000307; DE 69502525 D1 19980625; DE 69502525 T2 19980917; JP H08121384 A 19960514; SE 502552 C2 19951113; SE 9400881 D0 19940316; SE 9400881 L 19950917

DOCDB simple family (application)  
**EP 95850055 A 19950313**; CA 2144692 A 19950315; DE 69502525 T 19950313; JP 5592495 A 19950315; SE 9400881 A 19940316