

Title (en)
Sealing device for pump impeller.

Title (de)
Dichtungsvorrichtung für Pumpenlaufrad.

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

Publication
EP 0672832 A1 19950920 (EN)

Application
EP 95850055 A 19950313

Priority
SE 9400881 A 19940316

Abstract (en)
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)

Citation (applicant)
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