

Title (en)
Liquid-displacement machine.

Title (de)
Strömungsmaschine.

Title (fr)
Machine à fluide dynamique.

Publication
EP 0346677 A1 19891220 (DE)

Application
EP 89109759 A 19890530

Priority
DE 3820062 A 19880613

Abstract (en)
[origin: WO8912755A1] A turbine which delivers a solids-containing medium has a cavity (10) downstream of an impeller (2), which accommodates a shaft seal (7). An annular element (12) inside the cavity (10) protects the latter from wear due to erosion.

Abstract (de)
Die Erfindung betrifft eine Strömungsmaschine, die mit Feststoffe enthaltendem Fördermedium beaufschlagt ist und bei der ein Laufrad (2) nachgeschalteter, eine Wellenabdichtung (7) aufnehmender Raum (10) durch ein darin angeordnetes Ringelement (12) vor Erosionsverschleiß geschützt ist.

IPC 1-7
F04D 7/04; **F04D 29/12**; **F04D 29/42**

IPC 8 full level
F04D 29/12 (2006.01); **F04D 7/04** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP US)
F04D 7/04 (2013.01 - EP US); **F04D 29/126** (2013.01 - EP US); **F04D 29/426** (2013.01 - EP US)

Citation (search report)

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EP 89109759 A 19890530; AT 89109759 T 19890530; CA 602640 A 19890613; DE 3820062 A 19880613; DE 58901311 T 19890530; DK 294990 A 19901212; EP 8900604 W 19890530; EP 89906085 A 19890530; ES 89109759 T 19890530; GR 920401393 T 19920630; JP 50551789 A 19890530; US 63416590 A 19901213