

Title (en)
LIQUID-RING MACHINE

Publication
EP 0245626 B1 19900131 (DE)

Application
EP 87104438 A 19870325

Priority
DE 3616298 A 19860514

Abstract (en)
[origin: US4755107A] A liquid ring machine, in particular, a liquid ring pump comprises a control disk having an opening for a vane wheel shaft and first and second partial ring slots spatially separated from each other and located between an inner edge of a suction slot and the vane wheel shaft opening and an inner edge of a pressure slot and the vane wheel shaft opening of the control disk respectively. An opening to the first partial ring slot from an end bell of the machine is provided at a narrow end of the suction slot for exclusive feeding in of a cold portion of operating liquid. An opening to the second partial ring slot from the end bell is provided between the wide end of the suction slot and the beginning of the pressure slot for exclusive feeding in of a warm portion of operating liquid. The condensation of liquid especially in the vicinity of the suction slot is improved while undesirable evaporation of operating liquid is reduced.

IPC 1-7
F04C 19/00

IPC 8 full level
F04C 19/00 (2006.01)

CPC (source: EP US)
F04C 19/007 (2013.01 - EP US)

Cited by
WO9322562A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0245626 A2 19871119; EP 0245626 A3 19880928; EP 0245626 B1 19900131; DE 3761581 D1 19900308; US 4755107 A 19880705

DOCDB simple family (application)
EP 87104438 A 19870325; DE 3761581 T 19870325; US 2782487 A 19870319