

Title (en)

Toric pump.

Title (de)

Seitenkanalpumpe.

Title (fr)

Pompe à canal latéral.

Publication

EP 0608444 A1 19940803 (EN)

Application

EP 93101025 A 19930123

Priority

EP 93101025 A 19930123

Abstract (en)

A regenerative toric pump in which undesirable noise generation and leakage through clearance gaps between the impeller and housing is minimized includes an impeller having vanes lying in general planes radiating from the impeller axis disposed at variable spacings from each other in a geometrically balanced pattern. Recesses in one of opposed side surfaces on the impeller and housing are arranged in a pattern such as to minimize leakage through the clearance gap between those surfaces from points in the pump chamber which are at different pressures. <IMAGE>

IPC 1-7

F04D 5/00; **F04D 29/18**; **F04D 29/66**; **F04D 23/00**

IPC 8 full level

F04D 5/00 (2006.01); **F04D 23/00** (2006.01); **F04D 29/18** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)

F04D 5/002 (2013.01); **F04D 23/008** (2013.01); **F04D 29/188** (2013.01); **F04D 29/669** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE GB

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