

Title (en)
CENTRIFUGAL PUMP

Publication
EP 0323384 B1 19930421 (FR)

Application
EP 88500127 A 19881227

Priority
ES 8800215 A 19871228

Abstract (en)
[origin: EP0323384A2] The centrifugal pump comprises an electric motor with horizontal shaft and a coaxial pump body with suction and delivery chambers. The latter contains a rotor turning in a diffuser, while the suction chamber contains a Begel-type hydro-ejector with injection nozzle and Venturi-type diffusion pipe. A third chamber contiguous to the external face of the diffuser is separated from the delivery chamber by a partition disc with a port in the top half curving through slightly less than 180 deg. A curved deflector vane on the inside disc face leads from its top half edge to a point on the top edge of the part. It forces the water from the diffuser to flow in a centrifugal pattern inside the third chamber, so as to drive any entrained air bubbles out through the port as they rise.

IPC 1-7
F04D 9/06

IPC 8 full level
F04D 9/06 (2006.01); **F04D 29/18** (2006.01)

CPC (source: EP)
F04D 9/06 (2013.01)

Cited by
EP2037125A3; FR3020386A1; CN108953091A; EP0552661A1; US5451139A; FR2650864A1; EP0401670A3; WO9823864A1; EP2937479A1; EP2037125A2

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