

Title (en)

Liquid ring pump

Title (de)

Flüssigkeitsringpumpe

Title (fr)

Pompe à anneau liquide

Publication

EP 0964160 A3 20000223 (DE)

Application

EP 99110318 A 19990527

Priority

DE 19825521 A 19980608

Abstract (en)

[origin: EP0964160A2] The pump (1) has a housing (10) defining a working space containing at least one pump wheel. The wheel is rotated by an electric drive motor (2) and at least one control disc (11), with at least one suction opening (12) and at least one pressure opening (13), cooperating with a side plate (15) for defining a suction space and a pressure space. The housing, the side plate, the suction and pressure connections (18,19) and the control disc are all provided by a single metal casting. The casting has a seating for receiving a seal for the pump wheel drive shaft (7).

IPC 1-7

F04C 19/00; F04C 29/00

IPC 8 full level

F01C 21/10 (2006.01); **F04C 19/00** (2006.01)

CPC (source: EP)

F01C 21/10 (2013.01); **F04C 19/00** (2013.01); **F04C 2230/21** (2013.01)

Citation (search report)

- [Y] DE 2731451 B1 19780413 - SIEMENS AG
- [Y] US 3365127 A 19680123 - KRANTZ JOHN D

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0964160 A2 19991215; **EP 0964160 A3 20000223**; DE 19825521 A1 20000127; DE 19825521 C2 20000504

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