

Title (en)
JET PUMP

Title (de)
STRAHLPUMPE

Title (fr)
POMPE À JET

Publication
EP 4310336 A4 20240501 (EN)

Application
EP 22786258 A 20220923

Priority
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• CN 2022120696 W 20220923

Abstract (en)
[origin: EP4310336A1] The present disclosure provides a jet pump, including a pump body provided with a water inlet and a water outlet. A jet tube and an impeller are provided in the pump body. Fluid passes through the water inlet, the jet tube, the impeller, and the water outlet in sequence. At least one flow-increasing channel is provided at the outer periphery of the jet tube. The flow-increasing channel is provided around the outside of the jet tube. The flow-increasing channel is in communication with the water inlet and an inlet of the impeller. Fluid passing through the flow-increasing channel is thrown to the pressurizing chamber by the impeller. The flow-increasing channel is provided with a valve core. The movement of the valve core in the flow-increasing channel causes the flow-increasing channel to be opened or closed. A cavitation problem is relieved by providing the flow-increasing channel, and the present disclosure has a simple production process and a low production cost.

IPC 8 full level
F04D 1/00 (2006.01); **F04D 9/06** (2006.01); **F04D 15/00** (2006.01); **F04D 29/42** (2006.01); **F04D 29/66** (2006.01); **F04F 5/10** (2006.01); **F04F 5/44** (2006.01); **F04F 5/46** (2006.01)

CPC (source: EP)
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Citation (search report)
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• See also references of WO 2023236389A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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