

Title (en)

Self-priming hydraulic pump with valves.

Title (de)

Selbstansaugende Flüssigkeitspumpe mit Ventilen.

Title (fr)

Pompe hydraulique à clapets de refoulement auto-amorçante.

Publication

EP 0477043 B1 19940302 (FR)

Application

EP 91402146 A 19910731

Priority

FR 9011660 A 19900921

Abstract (en)

[origin: EP0477043A1] The exhaust valve for a hydraulic piston pump of the type comprising a main valve blocking off the pump exhaust pipe and counterbalanced by a heavily loaded spring, and an auxiliary valve intended to allow the evacuation of the air during the priming stage, characterised in that the said auxiliary valve is formed by a washer (12) centred on the main valve (8) by a boss (8a) provided on the main valve, the said washer (12) coming to rest on a number of small ducts (13) cut through the body of the main valve (8), these ducts being arranged in a ring formation. <IMAGE>

IPC 1-7

F04B 21/00

IPC 8 full level

F04B 53/06 (2006.01)

CPC (source: EP)

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Cited by

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DOCDB simple family (publication)

EP 0477043 A1 19920325; EP 0477043 B1 19940302; DE 69101294 D1 19940407; DE 69101294 T2 19941006; FR 2667117 A1 19920327; FR 2667117 B1 19930702

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