

Title (en)
HYDRAULIC PISTON PUMP WITH POSITIVELY DRIVEN INLET VALVES

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EP 0180510 B1 19881130 (FR)

Application
EP 85402018 A 19851018

Priority
FR 8416051 A 19841019

Abstract (en)
[origin: EP0180510A1] 1. An hydraulic pump having at least one reciprocably movable piston, each piston being associated with an inlet valve which is urged towards the closed position by a return spring, characterised by the fact that said return spring (16) is associated with a pusher element (15) actuated cyclically by a cam (21) driven by the pump drive shaft (1) ; such that, when the pusher element (15) is actuated by the cam (21), the action of the spring (16) on the valve (11) is nullified during the inlet phase and re-established at the end of said phase, which has the result that the valve (11) is free during this period and opens only if the inlet pressure is greater than the residual pressure prevailing in the cylinder (6) associated with said valve.

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CPC (source: EP)
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Cited by
BE1015545A3; DE19708922B4; US10107279B2; WO2004106735A1

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EP 0180510 A1 19860507; **EP 0180510 B1 19881130**; DE 3566569 D1 19890105; FR 2572138 A1 19860425; FR 2572138 B1 19870123

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