

Title (en)
RECIPROCATING PUMP.

Title (de)
VERDRÄNGUNGSPUMPE.

Title (fr)
POMPE ALTERNATIVE.

Publication
EP 0035569 A4 19820111 (EN)

Application
EP 80900419 A 19810408

Priority
JP 12048079 A 19790918

Abstract (en)
[origin: WO8100889A1] A reciprocating pump having a suction valve (92), a discharge valve (93), a pressure control valve (11) including a pressure receiving surface and supported at a valve seat (91) for supporting at least one of the valves (92) and (93), the pressure receiving surface disposed on a discharge passage (8b), the valve (11) being provided in a cylinder head (8), and a control spring (12) provided in a pressure regulator (13) for urging the valve (11) toward the valve seat (91), wherein the control valve (11) is operated as relief, safety and unloading valve through a simple construction. Thus, this pump allows a reduction in the number of components and can therefore be readily assembled in a pump body so as to reduce its cost and weight.

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IPC 8 full level
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CPC (source: EP)
F04B 49/24 (2013.01); **F04B 53/103** (2013.01); **F04B 53/109** (2013.01)

Citation (search report)

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