

Title (en)
Single-cylinder pump particularly for pumping mortar and similar materials

Title (de)
Monozylinderpumpe für Beton und ähnliche Materialien

Title (fr)
Pompe monocylindre pour béton et matériaux équivalents

Publication
EP 1002950 A2 20000524 (EN)

Application
EP 99122043 A 19991115

Priority
IT TV980152 A 19981118

Abstract (en)
A single-cylinder pump (1), particularly for pumping mortar and similar materials from a hopper or tank. The pump comprises a lower intake chamber (3) provided with a first gravity valve (8), the intake chamber (3) is connected to the delivery of a piston (12) with dual compensating action and to a second gravity valve (9) for feeding the mortar to an upper delivery chamber (6). The dual-action piston (12) is also provided with a transit chamber (17) which is connected to an outlet (18) for the pressurized material and to a duct (19) for connection to the upper delivery chamber (16). A single-cylinder pump is thus obtained which allows to have a sufficiently constant output flow of material at high pressure. <IMAGE>

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F04B 15/02

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CPC (source: EP)
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EP 1002950 A2 20000524; EP 1002950 A3 20001206; IT 1303379 B1 20001106; IT TV980152 A1 20000518

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