

Title (en)

APPARATUS FOR DELIVERING VISCOUS MATERIALS, PARTICULARLY CONCRETE

Publication

EP 0101802 B1 19870304 (DE)

Application

EP 83105644 A 19830609

Priority

- DE 3223746 A 19820625
- DE 3240465 A 19821102

Abstract (en)

[origin: EP0101802A1] 1. An apparatus for delivering viscous materials, in particular concrete, comprising a dual cylindrical pump disposed in parallel relationship, wherein each cylinder (2', 2'') includes a piston actuable in a direction opposite the actuating direction of the other piston, with the cylinders alternately feeding the materials from an input container closed in approximately funnel-shaped manner, via a manifold (3, 5), to a pressure line (7), and with the bottom of the funnel-shaped area of the input container being formed by a planar control board (2) provided with two vertical apertures, wherein the apertures thereof are in communication with the cylinders of the pump and, through the vertically upright manifold (3) are capable of being alternately connected to the pressure line, with the manifold being pivotally disposed, of step-type configuration with end sections of axially parallel extension, and connected to a shaft (11) in coaxial relationship to the outlet opening thereof, with the axes of the shaft and the outlet opening of the manifold extending in axially parallel manner to the axes of the openings in the control board, at the same time forming an isosceles triangle, and with the outlet opening, i.e. the end of the manifold leading to the pressure line, being pivotable by means of a coupling (4), characterized in that the pivot shaft (11) is disposed externally on one side of the input container (1), and that the support of the pivot shaft (11) is effected by bearings (9 and 10) disposed on the wall of the input container (1) facing the pivot shaft, or on a supporting structure firmly associated with the input container (1).

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CPC (source: EP)

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AT FR IT

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