

Title (en)

SLURRY PUMP HAVING A PAIR OF ALTERNATIVELY SUCKING AND DELIVERING CYLINDERS

Publication

EP 0485862 B1 19930804 (DE)

Application

EP 91118826 A 19911105

Priority

- DE 4036623 A 19901116
- DE 4102682 A 19910130

Abstract (en)

[origin: EP0485862A1] In the case of a slurry pump having a pair of alternately sucking and delivering cylinders, preferably arranged in parallel and with a slide valve, which swivels about the axis of a central duct and at the same time for each pair of cylinders, alternately connects with a branch duct the respectively delivering cylinder to a fixed delivery line through the central duct pivoted to this, whilst a second branch duct of the slide valve, releasing the sucking cylinder, simultaneously seals off a control gasket surface assigned to each branch duct, which surface is formed on the inside wall of a slide valve housing, to which the slurry flows and which has an aperture for each of the cylinders, equal pressures forming in the branch ducts of the same length, it is proposed according to the invention that the branch ducts (7, 8) be essentially aligned and that each enclose a right angle with the central duct (9) and that the control gasket surfaces (18, 20) of the slide valve housing (21) be cylindrically curved. <IMAGE>

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F04B 7/00

IPC 8 full level

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