Title (en)
Two-cylinder-slurrypump with piston-accumulator.

Title (de)
Zweizylinder-Dickstoffpumpe mit Kolbenspeicher.

Title (fr)
Pompe à pistons à deux cylindres pour liquides épais avec accumulateur à piston.

Publication
EP 0389785 B1 19940914 (DE)

Application
EP 90103245 A 19900220

Priority
DE 3910189 A 19890329

Abstract (en)
[origin: EP0389785A2] On a two-cylinder slurry pump with piston accumulator which is filled during pumping of the slurry by the pumping cylinders and emptied by the hydraulically controlled accumulator piston between the strokes of the pumping pistons into the pumping pipeline in order to prevent the drop in pressure and incorrect delivery quantity in the pumping pipeline, it is proposed according to the invention that a bilaterally hydraulically actuatable working piston (8) serve for hydraulic control (2) of the accumulator piston (10), which working piston is controlled with the pumping cylinders and whose limit positions are fixed on the accumulator drive cylinder (7) with the limit positions of the accumulator piston (10) when the accumulator cylinder (4) is fully emptied and when it is filled. <IMAGE>

IPC 1-7
F04B 15/02; F04B 11/00

IPC 8 full level
F04B 11/00 (2006.01); **F04B 9/105** (2006.01); **F04B 15/02** (2006.01)

CPC (source: EP KR)
F04B 9/08 (2013.01 - KR); **F04B 9/105** (2013.01 - EP); **F04B 15/02** (2013.01 - EP)

Citation (examination)
PATENT ABSTRACTS OF JAPAN, unexamined applications, Sektion M, Band 4, Nr. 132, September 17, 1980, The Patent Office Japanese Government, Seite 45 M 32, Kokai-Nr. 55-87867

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AT BE CH DE ES FR GB IT LI NL SE

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EP 90103245 A 19900220; AT 90103245 T 19900220; AU 5232990 A 19900328; CA 2013356 A 19900328; DD 33916290 A 19900328; DE 3910189 A 19890329; DE 59007097 T 19900220; ES 90103245 T 19900220; FI 901568 A 19900329; JP 8473690 A 19900329; KR 900004457 A 19900329; SU 4743431 A 19900328; ZA 902341 A 19900327