Title (en)

HYDRAULIC PUMP SYSTEM FOR HANDLING A SLURRY MEDIUM

Title (de)

HYDRAULIKPUMPENSYSTEM ZUR HANDHABUNG EINES SCHLAMMMEDIUMS

Title (fr)

SYSTÈME DE POMPE HYDRAULIQUE POUR TRAITER UN MILIEU DE COULIS

Publication

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Application

EP 16718503 A 20160303

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Abstract (en)

[origin: WO2016144161A1] This disclosure relates to a hydraulic pump system for handling a slurry medium at least comprising at least two reciprocating positive displacement pumps, both pumps being arranged for alternating intake of slurry medium via a suction inlet and discharge of slurry medium via a discharge outlet, and piston/cylinder discharge valves for alternating closing and opening each discharge outlet. In a first aspect, embodiments are disclosed of a hydraulic pump system for handling a slurry medium, comprising at least two reciprocating positive displacement pumps, both pumps being arranged for alternating intake of slurry medium via a suction inlet and discharge of slurry medium via a discharge outlet, and piston/cylinder discharge valves for alternating closing and opening each discharge outlet, as well as control means for controlling the alternate closing and opening of both piston/cylinder discharge valves, such that during operation no volume difference occurs in the discharge of slurry medium. In another aspect of the hydraulic pump system said control means comprise a lever assembly interconnecting the pistons of both piston/cylinder driven valves.

IPC 8 full level

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CPC (source: CN EP)

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