

Title (en)
HYDRAULIC CIRCUIT DEVICE FOR A COLD CHAMBER CASTING MACHINE

Title (de)
HYDRAULISCHE SCHALTUNGSANORDNUNG FÜR EINE KALKAMMERDRUCKGUSSMASCHINE

Title (fr)
SYSTÈME DE COMMUTATION HYDRAULIQUE POUR UNE MACHINE DE MOULAGE SOUS PRESSION À CHAMBRE FROIDE

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Application
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Priority
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Abstract (en)
[origin: CN109139573A] The present invention relates to a hydraulic switching assembly for a cold chamber die-casting machine, comprising: an accumulator providing hydraulic fluid; a working cylinder having a working cylinder piston chamber; a piping connection portion having a first control valve via which the accumulator is connected with the working cylinder piston chamber; a supercharger having a supercharger piston chamber and a supercharger rod chamber for increasing the pressure in the working cylinder piston chamber; and a pipeline connection portion, through which the accumulator is connected to supercharger piston chamber, wherein the first control valve has a cut-off position and a through position. In the pipeline connection portion between the accumulator and the working cylinder piston chamber, there is no mounting piece for sealing the pipeline connection portion behind the first control valve, the return feed of fluid from the working cylinder piston chamber is inhibited by the cut-off of the first control valve. The accumulator is connected to the supercharger piston chamber by means of a pipeline connection portion in parallel with the first control valve. The supercharger piston chamber can be loaded via the pipeline connection portion when pressure increases.

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