

Title (en)

CONCRETE PUMP AND METHOD FOR ADJUSTING VALUE OF DRIVE PRESSURE TO SWINGING ACTUATOR THEREOF

Title (de)

BETONPUMPE UND VERFAHREN ZUR EINSTELLUNG DES ANTRIEBSDRUCKWERTES FÜR EINEN SCHWINGENDEN AKTUATOR

Title (fr)

POMPE À BÉTON ET PROCÉDÉ POUR RÉGLER LA VALEUR DE LA PRESSION D'ACTIONNEMENT POUR SON ACTIONNEUR D'OSCILLATION

Publication

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Application

EP 11854363 A 20110524

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Abstract (en)

A concrete pump and a method for adjusting the driving pressure value of an oscillating actuator in the concrete pump are disclosed. The concrete pump includes an oscillating actuator and an S-shaped distribution valve(17), wherein the oscillating actuator is driven by an oscillating hydraulic circuit to control the oscillation of the S-shaped distribution valve. The oscillating hydraulic circuit includes an oscillating driving pressure control module which adjusts the oscillation driving pressure value F of the oscillating actuator from the oscillating hydraulic circuit according to a first pressure value F1 and/or a second pressure value F2, where the first pressure value F1 is the oil hydraulic value in a stirring hydraulic circuit, and the second pressure value F2 is the oil hydraulic value in a concrete cylinder hydraulic circuit. The concrete pump avoids too high or too low pressure of the S-shaped distribution valve, which is provided by the actuator, caused by different types of concrete or other working conditions, and accordingly prevents the S-shaped distribution valve from generating high-speed impact and noise and the structure body from generating inertial impact and vibration.

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