

Title (en)

VIBRATING DRIVING ARRANGEMENT, AND METHOD FOR OPERATING THE VIBRATING DRIVING ARRANGEMENT

Title (de)

VIBRATIONSRAMMANORDNUNG SOWIE VERFAHREN ZUM BETRIEB DER VIBRATIONSRAMMANORDNUNG

Title (fr)

ENSEMBLE DE BATTAGE PAR VIBRATIONS ET PROCÉDÉ DE FONCTIONNEMENT D'UN ENSEMBLE DE BATTAGE PAR VIBRATIONS

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Application

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Abstract (en)

[origin: WO2014166608A1] The invention relates to a vibrating ram arrangement comprising a hydraulic assembly (1), a vibrator (2) which is connected to the hydraulic assembly (1) via hydraulic tubes (3), and a controller (S) which is paired with the hydraulic assembly (1). The hydraulic assembly (1) has a hydraulic pump (6) which is driven by an internal combustion engine (5), and the vibrator (2) has imbalances (11) and an adjustable hydraulic engine (2) for driving the imbalances (11). A hydraulic fluid is conducted through the hydraulic assembly (1), the hydraulic tubes (3), and the hydraulic engine (10) in a circuit. A frequency sensor (14) for determining the frequency of the vibrator (2) is connected to the controller (S), and the controller (S) is designed to control a volumetric flow rate conducted through the circuit dependent on the signal of the frequency sensor (14). According to the invention, the vibrator (2) has a device (12), which is independent of the controller (S), for automatically adjusting a displacement volume of the hydraulic engine (10) dependent on a pressure within the circuit.

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