

Title (en)

System controlling a hydraulic group supplying a vibrator with hydraulic fluid

Title (de)

Steuersystem einer Hydraulikgruppe, die einen Vibrator mit Hydraulikflüssigkeit versorgt

Title (fr)

Système d'asservissement d'un groupe hydraulique alimentant en fluide hydraulique un vibreur

Publication

EP 2014835 B1 20100623 (FR)

Application

EP 08290636 A 20080627

Priority

FR 0704783 A 20070703

Abstract (en)

[origin: EP2014835A1] The system has a variable flow hydraulic pump (8) driven by a motor feeding hydraulic fluid to a vibrator or a vibrating system. The vibrating system comprises eccentric weights driven in rotation by one hydraulic motor receiving fluid. An adaption unit is provided for continuous adaptation of rotation speed of a motor (9) of the hydraulic unit (7) in relation to the energy actually consumed by the vibrator (1). The vibrator is provided with a vibration frequency sensor, where the motor of the hydraulic group is a heat engine equipped with a device to measure a load rate.

IPC 8 full level

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CPC (source: EP US)

B06B 1/161 (2013.01 - EP US); **E02D 7/18** (2013.01 - EP US)

Cited by

CN101736742A; EP2557233A1; US10385883B2; US9399850B2; US9835178B2; WO2014166608A1; WO2014166605A1

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