

Title (en)

Tool with hydraulic drive for civil engineering work

Title (de)

Arbeitsgerät mit hydraulischem Antrieb für Tiefbauarbeiten

Title (fr)

Appareil de travail doté d'un entraînement hydraulique pour travaux de construction profonds

Publication

**EP 2557233 B1 20140430 (DE)**

Application

**EP 11006636 A 20110812**

Priority

EP 11006636 A 20110812

Abstract (en)

[origin: EP2557233A1] The vibration hammer has a hydraulic motor (2) that is rotatable with a shaft and operated by fluid of hydraulic circuit, which is fed by a hydraulic pump (3). A sensor (5) is connected to a control and regulating unit (6) and configured to measure the fluid pressure in hydraulic circuit. The control and regulating unit adjusts the displacement volume of the hydraulic motor. The control and regulating unit is arranged such that the displacement volume of the hydraulic motor is reduced at pressure drop in the hydraulic circuit. An independent claim is included for a method for operating vibration hammer.

IPC 8 full level

**E02D 7/18** (2006.01); **B06B 1/16** (2006.01)

CPC (source: EP US)

**E02D 7/18** (2013.01 - EP US)

Cited by

EP3418451A1; DE102013103722A1; WO2014166608A1; EP3101179A1; DE102013103722B4; US9835178B2; US10385883B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**EP 11006636 A 20110812**; US 201213571710 A 20120810