

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)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2557233 A1 20130213; EP 2557233 B1 20140430; EP 2557233 B2 20220601; US 2013036727 A1 20130214; US 9399850 B2 20160726

DOCDB simple family (application)

EP 11006636 A 20110812; US 201213571710 A 20120810