

Title (en)

VIBRATOR ARRANGEMENT COMPRISING A CABLE SUSPENSION PENETRATING INTO THE GROUND

Title (de)

RÜTLERANORDNUNG MIT EINER IN DEN BODEN EINDRINGENDEN SEILAUFHÄNGUNG

Title (fr)

VIBREUR COMPORTANT UNE SUSPENSION PAR CÂBLES PÉNÉTRANT DANS LE SOL

Publication

**EP 2697437 B1 20150624 (DE)**

Application

**EP 12726344 A 20120413**

Priority

- DE 102011007398 A 20110414
- DE 2012200025 W 20120413

Abstract (en)

[origin: WO2013041096A2] The invention relates to a device, in particular a device for vibration compression or for producing cavities and/or material columns in the ground. Said device comprises a vibrator (1) with a pipe which has an upper end (12) and a lower end (11) and also two cable suspensions (7) which are arranged on the pipe at a distance from the upper end (12); respectively a cable which is secured to each cable holder (7); a support device (4;12) for the vibrator arrangement (1), which comprises a guide device (5; 9) on which the cables (6) are guided in the longitudinal direction of the pipe between the cable holders (7) and the upper end (12) or above the upper end (12).

IPC 8 full level

**E02D 3/08** (2006.01); **E02D 3/054** (2006.01); **E21B 7/24** (2006.01)

CPC (source: EP US)

**E02D 3/054** (2013.01 - EP US); **E21B 7/24** (2013.01 - US)

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)

**DE 102011007398 A1 20121018**; EP 2697437 A2 20140219; EP 2697437 B1 20150624; PL 2697437 T3 20160229; US 10301878 B2 20190528; US 2014158435 A1 20140612; WO 2013041096 A2 20130328; WO 2013041096 A3 20130606

DOCDB simple family (application)

**DE 102011007398 A 20110414**; DE 2012200025 W 20120413; EP 12726344 A 20120413; PL 12726344 T 20120413; US 201213261757 A 20120413