

Title (en)

Pivotable clamp for vibrator and vibrator provided with such a clamp

Title (de)

Gripzange für Vibrator, und mit einer solchen Zange ausgestatteter Vibrator

Title (fr)

Pince pivotante pour vibreur et vibreur doté d'une telle pince

Publication

**EP 2597204 A1 20130529 (FR)**

Application

**EP 12192325 A 20121113**

Priority

FR 1160652 A 20111122

Abstract (en)

The clamp (3) has a frame (4) fixed on a vibrator, and a clamp body (5) comprising object gripping units i.e. gripping jaws (6a, 6b) mounted to pivot with respect to the frame between a gripping position of the object and an active work position. A locking unit (9) i.e. rectilinear tooth, locks the clamp body on the frame in the work position on the frame and transmits vibrations emitted from the vibrator to the body. The locking unit includes fixed and movable bits provided on the frame and the clamp body. A hydraulic locking cylinder i.e. piston, controls relative displacement of the bits. An independent claim is also included for a vibrator for inserting objects into ground.

Abstract (fr)

Cette pince pivotante, pour vibreur destiné à l'enfoncement d'objets profilés dans le sol, comporte un bâti (4) destiné à venir se fixer sur le vibreur, un corps de pince (5) comportant des moyens de préhension (6a, 6b) dudit objet et monté de manière pivotante par rapport au bâti entre une position de préhension de l'objet et une position active de travail, et des moyens de verrouillage aptes à verrouiller le corps de pince en position de travail sur le bâti et à transmettre les vibrations émises par le vibreur du bâti audit corps.

IPC 8 full level

**E02D 7/18** (2006.01); **E02D 11/00** (2006.01)

CPC (source: EP)

**E02D 7/18** (2013.01); **E02D 11/00** (2013.01)

Citation (applicant)

- WO 9307341 A1 19930415 - RAUNISTO AIRI [FI]
- US 5568997 A 19961029 - RAUNISTO YRJOE [FI]

Citation (search report)

- [A] EP 0496167 A1 19920729 - KENCHO KOBE CO LTD [JP]
- [A] EP 1192318 A1 20020403 - EXPOTECH LTD [GB]
- [AD] US 5568997 A 19961029 - RAUNISTO YRJOE [FI]

Cited by

WO2017018951A1; NL2030443B1; EP3059349A1; FR3032729A1; CN107709670A; RU2673681C1; WO2023131623A1; EP3329052B1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2597204 A1 20130529; EP 2597204 B1 20150107**; FR 2982888 A1 20130524; FR 2982888 B1 20131129

DOCDB simple family (application)

**EP 12192325 A 20121113**; FR 1160652 A 20111122