

Title (en)

A vibratory mechanism for a pile driver and a pile driver

Title (de)

Vibrationsmechanismus für eine Pfahlramme und Pfahlramme

Title (fr)

Mécanisme vibratoire pour appareil de fonçage de pieux et appareil de fonçage de pieux

Publication

EP 2194191 A1 20100609 (EN)

Application

EP 08170711 A 20081204

Priority

EP 08170711 A 20081204

Abstract (en)

A vibratory mechanism (1) for a pile driver comprises a static part (2) and a dynamic part (3). The dynamic part (3) is movable with respect to the static part (2). The static part (2) is provided with a drivable crankshaft (6) and the dynamic part (3) comprises a housing (13) and a vibration member (7). The vibration member (7) is drivably coupled to the crankshaft. (6) through a connecting rod (8) and linearly movable with respect to the housing (13) in a direction of vibration. The housing (13) is resiliently coupled to the vibration member (7).

IPC 8 full level

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

CPC (source: EP US)

B06B 1/183 (2013.01 - EP US); **E02D 7/18** (2013.01 - EP US)

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2194191 A1 20100609; EP 2370642 A1 20111005; US 2011240323 A1 20111006; WO 2010063764 A1 20100610

DOCDB simple family (application)

EP 08170711 A 20081204; EP 09765087 A 20091202; EP 2009066244 W 20091202; US 200913132988 A 20091202