

Title (en)

Vibration generator with an operating piston that is slidingly supported between pressure chambers

Title (de)

Schwingungserzeuger mit einem zwischen Druckkammern verschiebbar gelagerten Arbeitskolben

Title (fr)

Générateur de vibrations avec un piston coulissant monté entre des chambres de pression

Publication

**EP 1728564 A1 20061206 (DE)**

Application

**EP 05011642 A 20050530**

Priority

EP 05011642 A 20050530

Abstract (en)

The generator (1) includes a control device having a reciprocating control piston (3) set within a reciprocating working piston (2) set inside a housing (20). The working piston divides the housing interior into two pressure chambers (11,12). The two pressure chambers alternately receive working fluid during the reciprocating of the working piston. An independent claim is also included for a construction apparatus.

IPC 8 full level

**B06B 1/18** (2006.01)

CPC (source: EP US)

**B06B 1/183** (2013.01 - EP US)

Citation (applicant)

- DE 19523030 C2 20000217 - AMMANN VERDICHTUNG GMBH [DE]
- GB 920158 A 19630306 - DEHAVILLAND AIRCRAFT CANADA
- DE 3915773 A1 19901115 - NETTER GMBH [DE]
- DE 1768865 U 19580619 - WACKER HERMANN [DE], et al

Citation (search report)

- [X] GB 920158 A 19630306 - DEHAVILLAND AIRCRAFT CANADA
- [X] DE 3838639 A1 19900517 - HEMSCHIEDT MASCHF HERMANN [DE]
- [X] US 4031812 A 19770628 - KOSHELEV NIKOLAI VASILIEVICH
- [X] US 4026193 A 19770531 - OLMSTED PETER B

Cited by

EP3417951A1; US10730075B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1728564 A1 20061206; EP 1728564 B1 20100407**; AT E463306 T1 20100415; DE 502005009362 D1 20100520; US 2006266028 A1 20061130; US 7810618 B2 20101012

DOCDB simple family (application)

**EP 05011642 A 20050530**; AT 05011642 T 20050530; DE 502005009362 T 20050530; US 42004106 A 20060524