

Title (en)  
Vibrator for a vibratory pile driver

Title (de)  
Schwingungserzeuger für ein Vibrationsrammgerät

Title (fr)  
Vibrateur pour un appareil de fonçage vibratoire

Publication  
**EP 2085149 A1 20090805 (DE)**

Application  
**EP 08001601 A 20080129**

Priority  
EP 08001601 A 20080129

Abstract (en)  
The generator (3) has rotatable imbalance masses positioned on shafts (33), and a hydraulic drive having a changeable suction volume. An adjusting unit adjusts a rotation position of imbalance masses relative to one another. A control module sets suction volume as a function of an operational pressure or speed of rotation. A control and regulation circuit includes a memory unit (10) for storing ground composition data sets or task-specific default data sets with defined operational characteristic variables.

Abstract (de)  
Die Erfindung betrifft einen Schwingungserzeuger (3) für ein Vibrationsrammgerät umfassend rotierbare Unwuchtmassen (3311,3321,3331,3511,3521,3531), die auf Wellen (33,35) angeordnet sind, wobei ein hydraulischer Antrieb (38) mit veränderbarem Schluckvolumen angeordnet ist. Die Erfindung betrifft weiterhin ein Vibrationsrammgerät mit einem solchen Schwingungserzeuger (3).

IPC 8 full level  
**B06B 1/16** (2006.01); **E02D 7/18** (2006.01)

CPC (source: EP US)  
**B06B 1/166** (2013.01 - EP US); **E02D 7/18** (2013.01 - EP US)

Citation (applicant)  
DE 202007005283 U1 20070712 - ABI GMBH [DE]

Citation (search report)  
• [XY] EP 0951949 A1 19991027 - INT CONSTRUCTION EQUIPMENT B V [NL]  
• [X] DE 19543910 A1 19970528 - GEDIB INGBUERO INNOVATION [DE]  
• [X] DE 4301368 A1 19940105 - GEDIB INGBUERO INNOVATION [DE]  
• [Y] EP 0577444 A1 19940105 - PROCEDES TECH CONST [FR]

Citation (third parties)  
Third party :  
• EP 0951949 A1 19991027 - INT CONSTRUCTION EQUIPMENT B V [NL]  
• EP 1722036 A2 20061115 - AMMANN VERDICHTUNG GMBH [DE]

Cited by  
EP2557233A1; EP2789402A1; US10385883B2; EP3101179A1; EP3243573A1; US9399850B2; US9289799B2; EP2789402B1

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DE FR GB NL

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2085149 A1 20090805; EP 2085149 B1 20130724; EP 2085149 B2 20211222**; US 2009189467 A1 20090730; US 8522891 B2 20130903

DOCDB simple family (application)  
**EP 08001601 A 20080129**; US 29010408 A 20081027