

Title (en)  
Vibrator with linear drive unit

Title (de)  
Vibrator mit einer Linearantriebseinheit

Title (fr)  
Vibrateur avec unité d'entraînement linéaire

Publication  
**EP 1167632 A3 20020717 (DE)**

Application  
**EP 01114622 A 20010619**

Priority  
DE 10030859 A 20000623

Abstract (en)  
[origin: EP1167632A2] The vibrator, to act on objects to be rammed home, has a linear drive unit (7) linked to at least one piston rod (8e,8f) at an outer frame (2), which has a relative movement against the carrier frame (6) on the oscillation line (4). It has a sprung support against the carrier frame. The outer frame carries the holder (3) linked to the rammed object on one side, and the assembly for the carrier on the other side. The linear drive has at least one synchronous cylinder (8), with the piston rods acting on the holder on one side and the outer frame on the other side. The control (9) for the cylinder has a control rotor (10), with an adjustable speed, and two rotary valves (11,12) to give a selective connection with the tank line (20) and the pressure line (19).

IPC 1-7  
**E02D 7/10**; E02D 11/00

IPC 8 full level  
**E02D 7/10** (2006.01)

CPC (source: EP)  
**E02D 7/10** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1167632 A2 20020102; EP 1167632 A3 20020717; EP 1167632 B1 20051207**; DE 10030859 A1 20020103; DE 50108278 D1 20060112

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