

Title (en)  
Improved vibrator

Title (de)  
Verbessertes Vibrationsgenerator

Title (fr)  
Vibrateur amélioré

Publication  
**EP 1867402 A1 20071219 (EN)**

Application  
**EP 06076238 A 20060615**

Priority  
EP 06076238 A 20060615

Abstract (en)  
Vibrator comprising an outer carcass (2) intended to be fixed to a structure to be excited, which contains at least two rotary shafts (9), parallel and opposite, each of which is rotatably associated with two distinct supports (7, 8) fixedly connected to the carcass (2), and has two lateral portions (91, 92) projecting from them, on which a first and a second unbalancing mass (13b) are respectively fitted; and a transmission system (11, 12), suitable for transmitting the motion between said rotary shafts (9), so that they are suitable for rotating at the same speed, synchronous with each other and in a desired mutual phase. Said Vibrator comprises at least one drive motor (10) rigidly associated with the carcass (2), which is suitable for making one of said rotary shafts (9) rotate, coupling with an end thereof. Moreover, each rotary shaft (9) is provided with at least a third unbalancing mass (13a), which is fitted onto the central portion (90) between said supports (7, 8), through means (130, 131, 133) that allow its angular position on the shaft (9) itself to be adjusted.

IPC 8 full level  
**B06B 1/16** (2006.01)

CPC (source: EP)  
**B06B 1/166** (2013.01)

Citation (search report)  
• [X] EP 0473449 A1 19920304 - KENCHO KOBE CO LTD [JP]  
• [A] FR 2311596 A1 19761217 - PROCEDES TECH CONST [FR]  
• [A] US 4793196 A 19881227 - DAVIS WALTER L [US], et al  
• [A] US 4766771 A 19880830 - BAILEY FRANK V [US], et al

Citation (examination)  
EP 1481739 A1 20041201 - KANDT SPECIAL CRANE EQUIPMENT [NL]

Cited by  
AU2018380777B2; RU185398U1; AU2018380776B2; US11486080B2; US11946194B2; US11686039B2; US12031265B2

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
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