

Title (en)

Vibrating table for vibrating a compactable material, and method for compacting concrete

Title (de)

Rütteltisch zum Rütteln einer zu verdichtende Masse und Rüttelverfahren zum Verdichten von Beton

Title (fr)

Table vibrante pour vibrer des masses compactables et procédé pour compacter du béton

Publication

EP 0658382 B1 19961009 (DE)

Application

EP 94119184 A 19941205

Priority

DE 4341387 A 19931204

Abstract (en)

[origin: US5606231A] A vibrating table for compaction of a mass such as concrete. The vibrating table includes a table top adapted to support the mass to be compacted. Support members support the table top above a floor and provide the table top with two degrees of freedom of movement in a principal plane which is substantially horizontal. The support members rigidly support the table top against movement in a generally vertical direction. An excitation shaft is coupled to the table top and has an axis of rotation which is generally perpendicular to the horizontal principal plane. The excitation shaft includes an unbalanced mass for the creation of an excitation force which provides movement of the table top in the horizontal principal plane.

IPC 1-7

B06B 1/16

IPC 8 full level

B06B 1/16 (2006.01); **B28B 1/087** (2006.01); **B28B 7/00** (2006.01)

CPC (source: EP US)

B06B 1/166 (2013.01 - EP US); **B28B 1/0873** (2013.01 - EP US); **B28B 7/0014** (2013.01 - EP US)

Cited by

EP3398692A1; DE102005009095A1; GB2546036A; US10167689B2; US10538979B2; WO2016057805A1; WO2023021122A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

US 5606231 A 19970225; AT E143838 T1 19961015; DE 19506992 A1 19960829; DE 59400824 D1 19961114; DK 0658382 T3 19961118; EP 0658382 A1 19950621; EP 0658382 B1 19961009; ES 2092856 T3 19961201

DOCDB simple family (application)

US 34860694 A 19941202; AT 94119184 T 19941205; DE 19506992 A 19950228; DE 59400824 T 19941205; DK 94119184 T 19941205; EP 94119184 A 19941205; ES 94119184 T 19941205