

Title (en)

Method and apparatus for compacting materials

Title (de)

Verfahren und Anordnung zur Verdichtung von Gemenge

Title (fr)

Méthode et appareillage pour compacter des matériaux

Publication

EP 1293314 A3 20040421 (DE)

Application

EP 02019204 A 20020827

Priority

DE 10147224 A 20010917

Abstract (en)

[origin: EP1293314A2] Process for compacting and shaping a mixture, preferably a concrete mixture, in a mold comprises applying the movement of a continuous transversal wave onto the base of the mold to compact the mixture. An Independent claim is also included for an arrangement for carrying out the above process. Preferred Features: The movement is produced by periodically applying and temporally displacing by a phase forces for elastic deformation of the base surface onto regions of the base of the mold arranged a specified distance apart. The frequency of the wave is 30-150 Hz. Accelerations are produced which are 3-10 times the acceleration due to gravity.

IPC 1-7

B28B 1/087

IPC 8 full level

B28B 1/087 (2006.01)

CPC (source: EP)

B28B 1/0873 (2013.01)

Citation (search report)

- [A] EP 0712702 A2 19960522 - LICENTIA GMBH [DE]
- [A] GB 790861 A 19580219 - ARTHUR CHARLES CARTER, et al
- [A] DE 4400839 A1 19950720 - AVERMANN MASCHINENFABRIK BETRI [DE]
- [A] DE 3151075 C1 19830609 - LICENTIA GMBH

Cited by

CN107009485A; US7465161B2; WO2005075166A3

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

DOCDB simple family (publication)

EP 1293314 A2 20030319; EP 1293314 A3 20040421; EP 1293314 B1 20151230; DE 10147224 A1 20030417; DE 10147224 B4 20060524; DK 1293314 T3 20160314

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