Title (en)

VIBRATION COMPRESSION SYSTEM FOR COMPRESSING MOLDING MATERIALS IN MOLDING BOXES BY USING TWO UNBALANCED BODIES

Title (de)

VIBRATIONS-VERDICHTUNGSSYSTEM ZUM VERDICHTEN VON FORMMASSEN IN FORMKÄSTEN UNTER VERWENDUNG ZWEIER UNWUCHTKÖRPER

Title (fr)

SYSTEME DE COMPRESSION PAR VIBRATION POUR COMPRIMER DES MATIERES MOULABLES DANS DES CHASSIS DE MOULE AU MOYEN DE DEUX CORPS NON EQUILIBRES

Publication

EP 1066120 A1 20010110 (DE)

Application

EP 99916848 A 19990320

Priority

- DE 29805619 U 19980327
- EP 9901884 W 19990320

Abstract (en)

[origin: WO9949992A1] The invention relates to a vibration compression system for compressing and shaping molding materials into shaped bodies having a circumference and a length. Said molding materials are shaped in mold recesses of molding boxes. An outer unbalanced body (1) and an inner unbalanced body (2) having the same kinetic momentum are arranged one inside the another in a sleeve-like manner. The centers of gravity of both unbalanced bodies (1, 2) lie in a rotational plane. An adjusting bushing (7) permits the angular position of the centers of gravity to vary in relation to one another, and the shaft (3) is not subjected to stresses caused by bending due to the centrifugal force of the unbalanced bodies (1, 2).

IPC 1-7

B06B 1/16

IPC 8 full level

B06B 1/16 (2006.01)

CPC (source: EP)

B06B 1/161 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 29805619 U1 19990729; AT 267648 T 20040615; BR 9909131 A 20001205; DE 59909596 D1 20040701; DK 1066120 T3 20041011; EP 1066120 A1 20010110; EP 1066120 B1 20040526; ES 2222028 T3 20050116; JP 2002509799 A 20020402; JP 3827529 B2 20060927; KR 100358530 B1 20021025; KR 20010033036 A 20010425; WO 9949992 A1 19991007

DOCDB simple family (application)

DE 29805619 U 19980327; AT 99916848 T 19990320; BR 9909131 A 19990320; DE 59909596 T 19990320; DK 99916848 T 19990320; EP 9901884 W 19990320; EP 99916848 A 19990320; ES 99916848 T 19990320; JP 2000540947 A 19990320; KR 20007006393 A 20000612