

Title (en)

CONCRETE COMPACTING DEVICE WITH VIBRATION SENSOR AND CONTROL UNIT

Title (de)

BETONVERDICHTUNGSANORDNUNG MIT SCHWINGUNGSSENSOR UND STEUERUNG

Title (fr)

DISPOSITIF DE COMPRESSION DU BETON AVEC CAPTEUR DE VIBRATIONS ET UNITE DE COMMANDE

Publication

EP 1064131 A1 20010103 (DE)

Application

EP 99915614 A 19990315

Priority

- DE 19811344 A 19980316
- EP 9901692 W 19990315

Abstract (en)

[origin: DE19811344A1] The invention relates to a concrete compacting device for compacting plastically deformable concrete in a formwork (2), comprising at least one vibrating unit (1) which is attached to the formwork (2) and has a vibration-generating unit (3). The compacting device is characterized in that the vibrating unit (1) comprises an acceleration sensor (5) for generating a signal corresponding to a vibration generated by the vibration-generating unit (3) at the level of the formwork (2), and a control unit (6) which is impinged upon by said signal and serves to control operating parameters of the vibration-generating unit (3).

IPC 1-7

B28B 1/087; **B06B 1/16**

IPC 8 full level

B28B 1/08 (2006.01); **B06B 1/16** (2006.01); **B28B 1/087** (2006.01); **B28B 17/00** (2006.01)

CPC (source: EP US)

B28B 1/0873 (2013.01 - EP US); **B28B 17/0081** (2013.01 - EP US)

Citation (search report)

See references of WO 9947322A1

Cited by

US7853337B2

Designated contracting state (EPC)

CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

DE 19811344 A1 19991007; **DE 19811344 C2 20020627**; DE 59908423 D1 20040304; EP 1064131 A1 20010103; EP 1064131 B1 20040128; ES 2213362 T3 20040816; JP 2002506748 A 20020305; US 6544025 B1 20030408; WO 9947322 A1 19990923

DOCDB simple family (application)

DE 19811344 A 19980316; DE 59908423 T 19990315; EP 9901692 W 19990315; EP 99915614 A 19990315; ES 99915614 T 19990315; JP 2000536540 A 19990315; US 64648300 A 20001015