

Title (en)
Compaction roller

Title (de)
Verdichtungswalze

Title (fr)
Rouleau de compactage

Publication
EP 1342849 B1 20080702 (DE)

Application
EP 03003966 A 20030222

Priority
DE 10210049 A 20020307

Abstract (en)
[origin: EP1342849A2] The device has at least one roller body with a vibration drive, a stimulation shaft with an imbalance weight with an imbalance cylinder and piston and an adjustment device controlling hydraulic liquid with a control cylinder and piston with a volume communicating with the imbalance cylinder and connected to a hydraulic oil source for replacing leakage oil via a controlled valve. The valve shuts off with the imbalance piston in its central position. The device has at least one roller body with a vibration drive, a stimulation shaft (14) with an imbalance weight with an imbalance cylinder and hydraulic imbalance piston (17) and an adjustment device controlling hydraulic liquid with a control cylinder (34a) and piston with a volume communicating with the imbalance cylinder and connected to a hydraulic oil source for replacing leakage oil via a controllable valve (33). The valve shuts off with the imbalance piston in its central position, from which the normal vibration amplitude can be increased or decreased.

IPC 8 full level
E01C 19/28 (2006.01); **B06B 1/18** (2006.01); **F16C 13/00** (2006.01)

CPC (source: EP US)
E01C 19/286 (2013.01 - EP US)

Cited by
CN115157717A; DE102021200285A1; WO2022152596A1

Designated contracting state (EPC)
CH CZ DE GB IT LI SE

DOCDB simple family (publication)
EP 1342849 A2 20030910; EP 1342849 A3 20041201; EP 1342849 B1 20080702; CN 100529263 C 20090819; CN 1445415 A 20031001; DE 10210049 A1 20031009; DE 10210049 B4 20040325; DE 50310053 D1 20080814; JP 2004003296 A 20040108; JP 4203725 B2 20090107; US 2003223817 A1 20031204

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EP 03003966 A 20030222; CN 03110525 A 20030307; DE 10210049 A 20020307; DE 50310053 T 20030222; JP 2003059232 A 20030305; US 38244003 A 20030306