

Title (en)
Compaction roller

Title (de)
Verdichtungswalze

Title (fr)
Rouleau de compactage

Publication
EP 1342849 A3 20041201 (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 1-7
E01C 19/28

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

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

Citation (search report)
• [A] US 4105356 A 19780808 - LOVELESS HOUSTON LEE
• [DA] DE 10031617 A1 20020117 - WACKER WERKE KG [DE]

Cited by
CN115157717A; DE102021200285A1; WO2022152596A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

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

DOCDB simple family (application)
EP 03003966 A 20030222; CN 03110525 A 20030307; DE 10210049 A 20020307; DE 50310053 T 20030222; JP 2003059232 A 20030305; US 38244003 A 20030306