

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]

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CN115157717A; DE102021200285A1; WO2022152596A1

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DOCDB simple family (publication)  
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