

Title (en)
Compaction roller vibratory mechanism

Title (de)
Vibrationsmechanismus einer Verdichtungswalze

Title (fr)
Mécanisme vibratoire de rouleau de compactage

Publication
EP 2147725 A1 20100127 (EN)

Application
EP 08466018 A 20080724

Priority
EP 08466018 A 20080724

Abstract (en)
The vibratory mechanism of the drum of compaction roller consists of the outer eccentric weight (10), inner eccentric weight (11), friction clutch (12), and the hydraulic connection of hydromotors (13A and 13B). The mentioned eccentric weights (10 and 11) are pivoted and coaxially mounted against each other on unidentified shafts connected with the mentioned hydromotors (13A and 13B). The sensors (17A and 17B) of the mutual angular displacement of eccentric weights (10 and 11) are situated on both mentioned unidentified shafts. The mentioned hydraulic connection of hydromotors (13A and 13B) consists of the brake valves (14A and 14B), vibration circuit piping (18), and by-pass passing (19A and 19B) including the nozzles (15A and 15B) and shut-off valves (16A and 16B) controlled by the control unit (20) together with the mentioned brake valves (14A and 14B). The control unit is adapted to act on the hydraulic connection of the hydromotors to allow a slipping movement of the friction clutch, thereby achieving a mutual displacement of one eccentric weight against the order.

IPC 8 full level
B06B 1/16 (2006.01); **E01C 19/28** (2006.01)

CPC (source: EP)
B06B 1/166 (2013.01); **E01C 19/286** (2013.01)

Citation (applicant)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2147725 A1 20100127

DOCDB simple family (application)
EP 08466018 A 20080724