

Title (en)

Travel control device for vibrating plate compactor

Title (de)

Bewegungssteuerung für einen Verdichter mit Vibrationsplatte

Title (fr)

Système de commande pour le déplacement d'un compacteur à plaque vibrante

Publication

EP 0960659 A1 19991201 (EN)

Application

EP 99108350 A 19990428

Priority

JP 14666398 A 19980513

Abstract (en)

The invention refers to a travel control device (20, 50) for a vibrating plate compactor. The vibrating plate compactor comprises two shafts (3, 4) supporting each an eccentric rotor (5, 6). The phase difference between the eccentric rotors (5, 6) is controlled by the travel control device (20, 50). The travel control device (20, 50) comprises a piston (29, 66) in a body (21, 51) to receive mechanical return force from a vibration generator (1) in the vibrating plate compactor. The piston (29, 66) receives pressure oil from an outside hydraulic pump (41, 55) at the other end. A push rod (22, 52) for switching the travel direction of the compactor is inserted into the body (21, 51) at one end. A spool (24, 59) is provided to supply the pressure oil from the hydraulic pump (41, 55) to the side of the piston (29, 66) opposite to the side receiving the mechanical return force. <IMAGE>

IPC 1-7

B06B 1/16; **E02D 3/074**

IPC 8 full level

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CPC (source: EP)

B06B 1/166 (2013.01); **E01C 19/38** (2013.01); **E02D 3/074** (2013.01)

Citation (search report)

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- [DA] US 4356736 A 19821102 - RIEDL FRANZ

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