

Title (en)

Control device for railway hopper car trapdoors, hoppers fitted therewith.

Title (de)

Betätigungsvorrichtung für Eisenbahnselbstentladewagentüren und damit ausgestattete Entlader.

Title (fr)

Dispositif de commande des trappes de trémies de wagons et trémies et wagons pourvus d'un tel dispositif.

Publication

EP 0138643 A1 19850424 (FR)

Application

EP 84401689 A 19840820

Priority

FR 8314885 A 19830914

Abstract (en)

1. A control device for the trapdoor (6) of a hopper (4) of a car during the stages of the operating cycle of the trapdoor, i.e. the control of the closure of the trapdoor, the said cycle more particularly comprising the stages for maintaining the trapdoor (6) in the open position, then for releasing the trapdoor and for controlling the closure, the said control device comprising a means (20) for maintaining the trapdoor in the open position, a means (21) for releasing the said trapdoor, and a means (8) for controlling the closure of the said trapdoor, which is pivotable about an axis (7), which is fixed relative to the chassis (3) of the car, the said control device being characterised in that the means (20) for maintaining the trapdoor (6) in the open position is selected such that its maintaining action may be cancelled by means of a single oscillation of a part (22), and it makes the oscillation of the said part (22) necessary for the release of the trapdoor (6), whereas, when it returns into the position for maintaining the trapdoor open, the said means guides the said part (22) back into the position in readiness for the subsequent release command.

Abstract (fr)

L'invention se rapporte à un dispositif de commande de la trappe d'une trémie de wagon. Il est caractérisé en ce que le moyen (20) de maintien de la trappe (6) en position ouverte est choisi d'un type tel que son action de maintien peut être annihilée par une oscillation d'une pièce (22) et que, d'une part, pour libérer la trappe, il rend nécessaire cette oscillation de la pièce (22), alors que, d'autre part, lors de son retour en position de maintien il guide le retour de cette pièce (22) en position d'attente de l'ultérieure commande de libération. Application à l'industrie de la construction mécanique et notamment de trémies de wagons.

IPC 1-7

B61D 7/28; **B61D 7/30**

IPC 8 full level

B61D 7/28 (2006.01); **B61D 7/30** (2006.01)

CPC (source: EP)

B61D 7/28 (2013.01); **B61D 7/30** (2013.01)

Citation (search report)

- [A] US 3266679 A 19660816 - PIERRE ARBEL
- [A] FR 2510505 A1 19830204 - ARBEL INDUSTRIE [FR]
- [A] FR 1303594 A 19620914 - ARBEL ETS
- [A] ENERGIE FLUIDE, no. 90, octobre 1976, pages 41-43; G. LEDUC: "L'hydraulique laisse tomber la houille"
- [A] OELHYDRAULIK UND PNEUMATIK, vol. 5, no. 1, janvier 1961, pages 9-11; J.H. MERCIER: "Selbsttätige hydraulische Klappenschliessanlage"

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EP 0138643 A1 19850424; **EP 0138643 B1 19861105**; DE 3461160 D1 19861211; ES 535877 A0 19851201; ES 8603155 A1 19851201; FR 2551712 A1 19850315; FR 2551712 B1 19860131; IL 72922 A0 19841231; IL 72922 A 19880731; PT 79194 A 19841001

DOCDB simple family (application)

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