

Title (en)

RAILWAY SWITCH DEVICE FOR MOVING RAILROAD SWITCH POINTS

Title (de)

EISENBAHNWEICHENVORRICHTUNG ZUM BEWEGEN VON EISENBAHNWEICHENPUNKTEN

Title (fr)

DISPOSITIF D'AIGUILLAGE DE CHEMIN DE FER PERMETTANT DE DÉPLACER DES POINTS D'AIGUILLAGE DE VOIE FERRÉE

Publication

EP 4222038 A1 20230809 (EN)

Application

EP 21878443 A 20211006

Priority

- US 202017064593 A 20201006
- US 2021053746 W 20211006

Abstract (en)

[origin: WO2022076540A1] A railroad switch device for moving railroad switch points. The device includes a hydraulic unit having a hydraulic manifold coupled to a hydraulic pump integrated with an electric motor via a pressure pipe, where the hydraulic manifold is also coupled to the hydraulic pump via a hydraulic oil reservoir and a return pipe, and the hydraulic manifold is coupled to a hydraulic double-rod cylinder to provide forward movement and reverse movement of a point rod. Also included is a mechanical target to automatically indicate the position of a point rod, and a plurality of spring units to produce a continuous thrust force for holding the railroad switch points closed in forward position and reverse position, wherein the plurality of spring units controls the target rotation to 90 degrees.

IPC 8 full level

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CPC (source: EP)

B61L 5/04 (2013.01); **B61L 5/10** (2013.01); **B61L 5/16** (2013.01)

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