

Title (en)

Device for moving railroad switch points, particularly high-speed ones and method for moving railroad switch points

Title (de)

Vorrichtung zum Bewegen von Weichen, speziell Hochgeschwindigkeitsweichen, sowie Verfahren zum Bewegen von Weichen

Title (fr)

Dispositif de déplacement d'aiguilles, notamment des aiguilles à grande vitesse, et méthode de déplacement d'aiguilles

Publication

EP 2192020 B1 20111109 (EN)

Application

EP 08425763 A 20081127

Priority

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Abstract (en)

[origin: EP2192020A1] Device for moving railroad switch points, particularly high-speed ones comprising: at least two hydraulic actuators; a unit for supplying pressure fluid to said hydraulic actuators; said hydraulic actuators being driveable by means of control means actuating/deactivating said supply unit; the at least two hydraulic actuators being operatively connected each one to points at a different location; such that when the supply unit is actuated the pressure fluid is supplied to said actuators allowing points to be moved from a predetermined first initial position to a second limit position. The invention provides means for synchronizing the stroke of the at least two actuators which synchronization means are composed of a unit adjusting the amount of fluid per unit of time for each actuator and wherein the adjustment occurs by setting a predetermined volume of fluid per unit of time provided by each adjustment unit to each actuator. Advantageously synchronization means are composed of a positive-displacement pump for each actuator positive-displacement pumps being driven by a common motor by means of a common transmission.

IPC 8 full level

B61L 5/04 (2006.01)

CPC (source: EP)

B61L 5/045 (2013.01)

Cited by

EP2565099A1; EP2960134A1; ITRM20120002A1; CN106828539A; CN102261024A; CN115162072A; WO2013102942A1; WO2020078107A1

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