

Title (en)
DEVICE FOR SWITCHING POINTS

Publication
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Application
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Priority
FR 8706315 A 19870505

Abstract (en)
[origin: US4842225A] An operating device for a railroad switch, the device comprising a right drive rod (5) connected to a right point blade (1), a left drive rod (6) connected to a left point blade (2), and a moving carriage (7) driven by a motor between a right locking plate (12) and a left locking plate (13). The plate is held in position by a frame (36). The right drive rod (5) is situated between the right locking plate (12) and the carriage (7) and being received in a right groove (14) of the carriage. The left drive rod (6) is situated between the left locking plate (13) and the carriage (7) by being received in a left groove (15) of the carriage. Each drive rod (5, 6) is provided with two floating pegs (8 to 11) extending perpendicularly to the grooves and each is received in a corresponding notch (16 to 19) in the rod. Each locking plate includes at least one vertical locking recess (20, 21) having sloping side walls, and the width of the carriage between the locking plates comprising: at each end, a first step (22, 22A) of width no greater than the distance L between the two locking plates less twice the diameter D of a floating peg; followed on each side of the carriage going axially towards the middle of the carriage by a second step (23, 23A) of width lying between L-2D and L-D; and finally by a middle step (24) of width less than L and greater than the width of the second step, with each transition between a first step and a second step taking place via a sloping wall.

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B61L 5/065 (2013.01 - EP US); **B61L 5/10** (2013.01 - EP US)

Cited by
EP0775622A1; EP0684174A1; EP0467865A1; US5462245A; EP0763457A1; CN111379200A; FR3003531A1; FR2741365A1; US5730395A; WO9508672A1

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