

Title (en)
SWITCH MACHINE

Title (de)
WEICHENSTELLVORRICHTUNG

Title (fr)
MECANISME DE MAN UVRE D'UN AIGUILLAGE

Publication
EP 0776398 A4 20001213 (EN)

Application
EP 95931520 A 19950811

Priority

- US 9510255 W 19950811
- US 29312694 A 19940819
- US 29312194 A 19940819
- US 29324294 A 19940819
- US 29312794 A 19940819
- US 29312594 A 19940819

Abstract (en)
[origin: WO9606228A1] There is provided a switch machine (10) for controlling the position of railroad tracks having up to five improved capabilities. First, the switch machine (10) is designed to have a low vertical profile without increasing its axial length or sacrificing its functionality. Second, the switch machine (10) has a rail point detection and indication mechanism (210) that identifies a latch out condition when the railroad tracks are not at, or near, their proper positions before or after switching the railroad tracks. Third, the switch machine (10) has a trailing device (416) coupled to a throw bar (412) for enabling throwing of the switch points. Fourth, a cam bar (530) of the switch machine (10) locks and unlocks a lock bar (520) as required for railway track systems. Finally, an improved hand throw mechanism (730) of the switch machine (10) has a ratchet mechanism (740) that permits torque to be applied to the hand throw mechanism (730) in either a clockwise or counter-clockwise direction.

IPC 1-7
E01B 7/00; B61L 5/10; B61L 5/06

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CPC (source: EP)
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Citation (search report)

- [A] US 3483368 A 19691209 - WILSON ROSSER L, et al
- [A] US 3418462 A 19681224 - WILSON ROSSER L, et al
- [A] US 2707230 A 19550426 - BELTMAN GEORGE C, et al
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- [A] US 5116006 A 19920526 - OCAMPO SALVADOR C [US]
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- [A] US 3621237 A 19711116 - HYLEN LYLE L
- [A] US 3427448 A 19690211 - REDELMAN PAUL E
- See references of WO 9606228A1

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