

Title (en)  
Non trailable switch machine for railroad switches or the like

Title (de)  
Nicht-auffahrbarer Weichenantrieb für Eisenbahnweichen

Title (fr)  
Commande d'aiguillage non-rétractable de chemin de fer

Publication  
**EP 2620347 A1 20130731 (EN)**

Application  
**EP 12152344 A 20120124**

Priority  
EP 12152344 A 20120124

Abstract (en)  
A non trailable switch machine for railroad switches or the like, which switch machine comprises a trailing detecting sensor (11) for measuring at least one physical parameter describing the force exerted by an action on the switch machine and/or on the points (P1, P2) and or on a movable crossing point and means (24, 25, 31, 32, 41, 42) for reversibly or irreversibly preventing the operation of the switch machine depending on the values of the said measured at least one physical parameter. the switch machine is able to classify the trailing forces between "dangerous trailing forces" with potential damage to the turnout or its components (superstructure and switch system), and "non dangerous trailing forces". This classification permits to optimize expenses related to corrective maintenance after trailing events. A "non dangerous trailing" is detected trough a loss of detection of the turnout, but the customer operators are able to recover detection of the turnout from remote position without inspecting the turnout. A "dangerous trailing" is detected trough a loss of detection of the turnout, and the only way to recover detection of the turnout is to substitute the damaged parts.

IPC 8 full level  
**B61L 27/00** (2006.01); **B61L 5/10** (2006.01)

CPC (source: EP)  
**B61L 5/107** (2013.01); **B61L 27/53** (2022.01)

Citation (applicant)  
• EP 1594732 A1 20051116 - ALSTOM FERROVIARIA SPA [IT]  
• EP 1024988 A1 20000809 - ALSTOM TRANSPORT SPA [IT]  
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Citation (search report)  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2620347 A1 20130731; EP 2620347 B1 20141008; ES 2527964 T3 20150202; PL 2620347 T3 20150331**

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