

Title (en)

Circuit, control and system for checking the position of tongues of a switch for railways

Title (de)

Zungenprüfschaltung, Zungenprüfsteuerung und Zungenprüfsystem für eine Weiche eines Schienennetzes

Title (fr)

Circuit, commande et système pour contrôler les lames d'aiguille de chemin de fer

Publication

EP 1724177 A1 20061122 (DE)

Application

EP 05291028 A 20050512

Priority

EP 05291028 A 20050512

Abstract (en)

Of the four switch contacts (A1-A4) provided, two are monitoring contacts (A1, A2) for the switch-rail blade position and two are constructed as test connections (A4, A3). A cable connects the switch-blade checking circuit to the blade test circuit. The blade checking circuit is designed with controlled relay switches (L, T, R). These apply test voltages. The resultant current flowing through switch contacts (A1-A4) is compared with reference values, to determine any faults in the switch-blade test circuit. An independent claim is included for the method of controlling the switch blade test.

IPC 8 full level

B61L 5/10 (2006.01)

CPC (source: EP)

B61L 5/107 (2013.01)

Citation (search report)

- [XA] EP 0052759 A2 19820602 - SIEMENS AG [DE]
- [XA] EP 0734932 A2 19961002 - ALCATEL AUSTRIA AG [AT]
- [A] DE 19606895 A1 19970814 - SIEMENS AG [DE]
- [A] DE 3638681 A1 19880519 - SIEMENS AG [DE]
- [A] WO 0185523 A1 20011115 - SIEMENS AG [DE]

Cited by

EP2127992A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

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