

Title (en)
DEVICE FOR THE REMOTE SUPERVISION OF POINT MECHANISMS

Title (de)
EINRICHTUNG ZUM FERN BERWACHEN VON WEICHENANTRIEBEN

Title (fr)
SYSTEME POUR CONTROLER A DISTANCE DES MOTEURS D'AIGUILLE

Publication
EP 1622803 B1 20060705 (DE)

Application
EP 04731849 A 20040510

Priority
• AT 2004000163 W 20040510
• AT 3232003 U 20030509

Abstract (en)
[origin: US2007040071A1] In a device for the remote monitoring of railway switch drives operated via four lines, for instance by three-phase current, or of a monitoring circuit operated via four lines and including electric contacts which are switched as a function of the position of the railway switch and via which, upon reaching of the respective end position in the switch tongue, a monitoring circuit is closed across said four lines, for a railway switch monitor fed, for instance, by direct voltage, wherein a plurality of checking planes arranged in an offset manner in the longitudinal direction of the rails are provided and in each checking plane at least four electric switching contacts are circuited together and cooperate with moved parts of the railway switch drive or railway switch, for instance a check rod, in a manner that in an end position of the switch tongue two electric switching contacts are each in the closed, and two electric switching contacts are each in the open, switching position and the switching position of each of the electric switching contacts is changed once at a changeover into the other end position of the switch tongue, the electric switching contacts of several checking planes are connected with one another in a manner that in the respective end positions of the switch tongue all of the closed electric switching contacts of said checking planes connected with one another are connected in series to form a respective monitoring circuit.

IPC 8 full level
B61L 5/10 (2006.01); **B61L 7/08** (2006.01)

CPC (source: EP US)
B61L 5/107 (2013.01 - EP US); **B61L 7/08** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2007040071 A1 20070222; AT 6379 U2 20030925; AT 6379 U3 20050627; AT E332262 T1 20060715; AU 2004235825 A1 20041118; AU 2004235825 B2 20100422; BR PI0410182 A 20060516; CA 2524204 A1 20041118; CN 1819941 A 20060816; CN 1819941 B 20100526; DE 20310680 U1 20030918; DE 502004000930 D1 20060817; DK 1622803 T3 20061106; EP 1622803 A1 20060208; EP 1622803 B1 20060705; ES 2268655 T3 20070316; HR P20060335 T3 20070331; IT MI20030343 U1 20041110; IT MI20030343 V0 20030722; NO 20055829 D0 20051208; NO 20055829 L 20051208; PL 1622803 T3 20061130; PT 1622803 E 20061130; SI 1622803 T1 20061231; TW 200427602 A 20041216; TW I285604 B 20070821; WO 2004098976 A1 20041118; ZA 200509025 B 20070328

DOCDB simple family (application)
US 55555004 A 20040510; AT 04731849 T 20040510; AT 2004000163 W 20040510; AT 3232003 U 20030509; AU 2004235825 A 20040510; BR PI0410182 A 20040510; CA 2524204 A 20040510; CN 200480019484 A 20040510; DE 20310680 U 20030711; DE 502004000930 T 20040510; DK 04731849 T 20040510; EP 04731849 A 20040510; ES 04731849 T 20040510; HR P20060335 T 20061004; IT MI20030343 U 20030722; NO 20055829 A 20051208; PL 04731849 T 20040510; PT 04731849 T 20040510; SI 200430082 T 20040510; TW 93113046 A 20040510; ZA 200509025 A 20051108