

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 A1 20060208 (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.

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B61L 5/10

IPC 8 full level
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CPC (source: EP US)
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