

Title (en)

Arrangement for fail-safe remote control of a substation in a railway system

Title (de)

Einrichtung zur signaltechnisch sicheren Fernsteuerung einer Unterstation in einer Eisenbahnanlage

Title (fr)

Système de commande à distance d'une sous-station d'une manière fiable dans une installation de chemin de fer

Publication

**EP 0503336 B1 19960131 (DE)**

Application

**EP 92102996 A 19920222**

Priority

DE 4107639 A 19910309

Abstract (en)

[origin: EP0503336A2] In the remote-control of substations (UST1) in railway systems, a control command which triggers a control action with a responsibility for safety is initially transmitted without fail-safe security into the substation. Subsequently, the control action is reflected back into the central control station (Z) via the transmission path which has been configured in a fail-safe manner, before said action is carried out. After a further check of the control command, an execution command which acts in a fail-safe manner is transmitted to the substation. A security code which is produced in the substation and stored there is used as the execution command. Said code is transferred to the central control station together with the control action to be reflected back. Said code is input again into the central control station as an execution command, transmitted to the substation in a non-secure fashion and compared there with the original security code. If they correspond to one another, the control action is carried out.

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IPC 8 full level

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CPC (source: EP)

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EP1038752A1; EP1197418A1; US7209811B1; US6308117B1; WO03047937A1; TWI817164B

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