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EP 0503336 A3 19940223

Application
EP 92102996 A 19920222

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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.

IPC 1-7
B61L 27/00

IPC 8 full level
B61L 27/00 (2006.01)

CPC (source: EP)
B61L 27/30 (2022.01)

Citation (search report)
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- [A] DE 3232167 C1 19831020 - SIEMENS AG
- [A] EP 0120339 A1 19841003 - SIEMENS AG [DE]
- [A] HALFPAP ET AL.: "SAFE L 90 - EIN SICHERES SYSTEM ZUR FERNSTEUERUNG VON STELLWERKEN ÜBER DIREKTE EINGABEN AM BILDSCHIRM", SIGNAL & DRAHT, vol. 77, no. 4, April 1985 (1985-04-01), DARMSTADT (DE), pages 67 - 72, XP001390312
- [A] GÜNTHER ET AL.: "DUS 800 - EIN SIGNALTECHNISCH SICHERES MIKROCOMPUTER-FERNWIRKSYSTEM", SIGNAL & DRAHT, vol. 72, no. 1/2, April 1980 (1980-04-01), DARMSTADT (DE), pages 74 - 80

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