Title (en)
TRAIN CONTROL SYSTEM AND METHOD FOR CONTROLLING A TRAIN WITHIN A TRAIN CONTROL SYSTEM

Title (de)
VERFAHREN ZUR STEUERUNG EINES ZUGS INNERHALB EINES ZUGSICHERUNGSSYSTEMS, ZUGSICHERUNGSSYSTEM

Title (fr)
PROCÉDÉ DE COMMANDE D'UN TRAIN DANS UN SYSTÈME DE PROTECTION DES TRAINS, SYSTÈME DE PROTECTION DES TRAINS

Publication
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Application
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Priority
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Abstract (en)
[origin: CA3147820A1] The invention relates to a method for controlling a train within a train control system, comprising the following method steps - creating an accident model (AccM), wherein accident classes and accident influence factors are determined; - determining a route reservation (RES) specific to the train, comprising a route reservation region and a route profile; - sending a request (A) for releasing the determined route reservation (RES) to a risk analysis device (MAXd); - carrying out a real-time risk analysis for the route reservation (RES) by means of the risk analysis device (MAXd) for at least some of the determined different accident classes, wherein a risk factor (RF) for the route reservation (RES) is determined, and as an outcome it is determined whether the risk factor (RF) is acceptable; - releasing or rejecting the route reservation (RES) depending on the outcome of the risk analysis. The planning, configuration/project planning and approval can thus be simplified and the route utilization can be optimized at a high safety level (safety integrity level SIL4).

IPC 8 full level
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B61L 15/0062 (2024.01 - EP KR); **B61L 27/16** (2022.01 - EP KR); B61L 2027/202 (2022.01 - EP KR)

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