

Title (en)
METHOD AND ARRANGEMENT FOR SECURING A RAILROAD CROSSING

Title (de)
VERFAHREN SOWIE ANORDNUNG ZUM SICHERN EINES BAHNÜBERGANGS

Title (fr)
PROCÉDÉ ET DISPOSITIF DE COMMANDE D'UN PASSAGE À NIVEAU

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Application
EP 17728155 A 20170601

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Abstract (en)
[origin: WO2018001674A1] The invention relates to a method for securing a railroad crossing (10), which allows a timely securing of the respective railroad crossing (10), and which is particularly efficient and reliable at the same time. To this end, the method according to the invention proceeds in such a way that sensor data relating to a rail-borne vehicle (20) approaching the railroad crossing (10) are detected by a track-side sensor device (80), said sensor data comprising at least the current speed of the rail-borne vehicle (20); the detected sensor data are transmitted by the track-side sensor device (80) to a stationary control device; a switch-on time is determined by the stationary control device taking into account the transmitted sensor data and route data; upon reaching the switch-on time, the securing of the railroad crossing (10) is initiated by the stationary control device; and after the railroad crossing (10) has been successfully secured, a travel permission that extends beyond the railroad crossing (10) is determined by a control device (30) of a train control system, and is transmitted to the rail-borne vehicle (20) to replace a previous travel permission that expired prior to reaching the railroad crossing (10). The invention further relates to an arrangement (100, 110, 120) for securing a railroad crossing (10).

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