Title (en)

METHOD FOR THE FORMATION OF RANDOM LOGIC OPERATIONS IN A CONTROL UNIT, AND CONTROL UNIT

Title (de)

VERFAHREN ZUM BILDEN BELIEBIGER LOGISCHER VERKNÜPFUNGEN IN EINER LEITTECHNISCHEN EINHEIT UND LEITTECHNISCHE EINHEIT

Title (fr)

PROCEDE POUR ETABLIR DES CONNEXIONS LOGIQUES QUELCONQUES DANS UNE UNITE DE COMMANDE, ET UNITE DE COMMANDE

Publication

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Application

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Abstract (en)

[origin: WO2006136216A1] The aim of the invention is to create a method and a signal tower for regulating rail-borne traffic which make it situatively possible to implement and apply rather complex processes for safely establishing and/or canceling routes in the signal tower logic without having to make adjustments to the generic portion. Said aim is achieved by a method and a signal tower for monitoring and/or adjusting/canceling a route for a rail-borne vehicle. According to said method, a route is adjusted or canceled upon request by means of units allocated to the respective route once the units connected to the desired request have not negatively acknowledged said request. Attributes associated with the route, especially the track occupation, direction of travel, block interlocking, barriers, are defined by means of expected values, and the route is adjusted or canceled only once the expected values have been provided for the defined attributes. This makes it possible to introduce other supporting requests into the logic for establishing and/or canceling a route in addition to the units directly involved in the route, e.g. positioning elements such as switches and signals, and monitoring elements, such as axle counters and clear track signaling systems. Such supporting requests primarily contribute to further increasing the great degree of safety provided as a matter of fact.

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