Title (en)

METHOD AND SYSTEM FOR REALISTIC AUTOMATIC OR SEMIAUTOMATIC CONTROL OF RAIL-GUIDED TOYS

Title (de)

VERFAHREN UND ANORDNUNG ZUR ORIGINALGETREUEN, REALITÄTSNAHEN AUTOMATISCHEN ODER HALBAUTOMATISCHEN STEUERUNG VON GLEISGEFÜHRTEN SPIELZEUGEN

Title (fr)

PROCEDE ET SYSTEME POUR COMMANDER, DE MANIERE CONFORME A L'ORIGINAL, PROCHE DE LA REALITE, AUTOMATIQUE OU SEMI-AUTOMATIQUE, DES JOUETS SUR RAILS

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Application

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Abstract (en)

[origin: US2003148698A1] The invention relates to a method and an arrangement for the accurate, realistic automatic or semiautomatic control of track-guided toys, in particular electrically operated model railways and trains. In accordance with the invention type- and/or geometry-specifying memory components, readable by non-contact means, are disposed at or in each track, track piece, buffer, signal and/or switch that is to be included in the structure, such that each memory component and hence each track in addition exhibits an identification code that is not repeated within the series of such codes. Furthermore the rolling stock, preferably the locomotives, are equipped with a memory-reading device as well as a data-transmission means for revertive communication. After a first trip around the route, an electronic representation of the route configuration is available and can be preserved in a central memory. During subsequent trips around the route, the momentary position on the roadway or of the train is determined by reading memory components and revertive signalling to the central memory or a central control system, such that on the basis of prespecifiable tasks associated with operation of the railway, taking into account the route and velocity information as well as special functions, one or more machines are independently monitored and controlled.

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