Title (en)
SIGNAL BOX COMPUTER

Title (de)
STELLWERKSRECHNER

Title (fr)
CALCULATEUR DE POSTE D'AIGUILLAGE

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Application
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Abstract (en)
[origin: WO2013026759A1] The invention relates, inter alia, to a method for monitoring the method of functioning of a signal box computer (5) which executes a control program (30) for controlling railway components (RK1 to RKp) of a real railway system (40), wherein the control program (30) evaluates message signals of the railway components of the real railway system (40) and generates control signals for the railway components, to be controlled, of the real railway system. The invention provides that the control program (30) controls an expanded railway system which comprises the railway components (RK1 to RKp) of the real railway system (40) and additionally at least one virtual railway component, message signals (Mp+1 to Mn) of the at least one virtual railway component are input into the signal box computer (5), the control program (30) processes the message signals (Mp+1 to Mn) within the scope of the control of the expanded railway system, the output signals (Sp+1 to Sn) which are generated at the output end by the signal box computer (5) on the basis of the message signals (Mp+1 to Mn) are checked for correctness and a fault signal (F) is generated if the control program (30) supplies incorrect output signals and/or supplies output signals with a delay.

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