

Title (en)
METHOD FOR SELECTING ALTERNATE OPERATING ROUTE FOR TRAIN, AND SYSTEM THEREFOR

Title (de)
VERFAHREN ZUR AUSWAHL EINER ALTERNATIVEN BETRIEBSROUTE FÜR EINEN ZUG UND SYSTEM DAFÜR

Title (fr)
PROCÉDÉ POUR SÉLECTIONNER UN ITINÉRAIRE D'EXPLOITATION DIFFÉRENT POUR UN TRAIN, ET SYSTÈME CORRESPONDANT

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Abstract (en)
[origin: EP2873586A1] The objective of the present invention is to minimize the sum of delay times of trains managed in a train operation management system and the number of operation cancellations of the trains when an operational trouble occurs. A method for selecting an alternative operating route for a train of the present invention includes the step of preparing beforehand all travelable routes from a current location to a destination place of trains, travel times to travel the travelable routes, trouble-caused delay times according to trouble types, and operational delay times for inter-train troubles. When an operational trouble of a train occurs, a sum of a travel time, a trouble-caused delay time, and an operational delay time is obtained for each of combinations of the travelable routes for all trains in operation, and a combination of the travelable routes for which the sum is smallest is extracted as an alternative operating route for the train.

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Citation (search report)

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