

Title (en)

Optimal running-pattern calculating apparatus and system of the same.

Title (de)

Gerät zur Berechnung eines optimalen Zuglaufplanes und dazugehöriges System.

Title (fr)

Appareil de calcul d'un plan de roulage optimal et dispositif qui s'y rapporte.

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Application

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Abstract (en)

An optimal running-pattern calculating apparatus is disclosed, which comprises input means (1) for inputting line data and car data, running simulation means (3) for simulating the running of a train by using various data received from input means (4), backward curves received from backward curve calculating means (4), notch switching parameters received from parameter initializing means (10), and an upper limit speed and for calculating a running-pattern for the train to run within a restricted speed in a predetermined running distance, and time fitting means (5) for causing upper limit speed adjusting means (6) to adjust the upper limit speed and causing the running simulation means (3) to recalculate the running-pattern when the running time calculated by the running simulation means (3) deviates from a predetermined running time. Thus, a running-pattern for a train to run with small energy consumption and riding comfort while satisfying a predetermined running distance, a predetermined running time, and a restricted speed can be easily and quickly created. <IMAGE>

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B61L 21/00; G05B 13/02

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