

Title (en)

DEVICE IN A LINE-VEHICLE FOR WIRELESS TRANSMISSION OF PARTICULARS CONCERNING ITS LOCATION

Publication

EP 0025016 B1 19820630 (DE)

Application

EP 80810258 A 19800820

Priority

CH 772579 A 19790824

Abstract (en)

[origin: EP0025016A1] 1. Apparatus on a vehicle running on a predetermined line with fixed stopping-places and having doors released for opening only at the stopping-places, for the wireless transmission of data concerning the position of the vehicle to a central position-monitoring installation, said apparatus having a first travel counter (11) advanced by the revolutions of a wheel and reset by each release of the doors, the capacity of which first travel counter is less than the length of the entire line and exceeds the longest distance occurring between two stopping-places, and the count of which first travel counter is transmitted (1) each time on the basis of a periodic interrogation effected by the central installation, the time intervals of the interrogation being at most half as long as the minimum running time necessary between two stopping-places, and the position, starting from the terminus of said line, being calculated each time by the central installation from the sum of the differences in the counts of the first travel counter (11) between two successive transmissions, taking into account corrections resulting in each case from the comparison of said sum with the known distances of the stopping-places from said terminus, characterized by a second travel counter (12), to be reset in each case solely at the terminus of the line, having a capacity exceeding the length of said line and a lesser accuracy, relative to the distance travelled, than that of the first travel counter, and by circuit means (15) which, in the case of some of the transmissions of the count, cause the transmission of the count of the second travel counter (12) instead of that of the first travel counter (11) so that after a temporary interruption or a disturbance of the transmission between the vehicle and the central installation, the position of the vehicle is nevertheless ascertainable - with less accuracy - on the basis of the count of the second travel counter (12).

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G08G 1/12; G01C 22/02

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