

Title (en)

CIRCUIT ARRANGEMENT FOR MONITORING THE PRESENCE OF RAILWAY VEHICLES IN PREDETERMINED SECTION BLOCKS

Publication

EP 0157099 B1 19900725 (DE)

Application

EP 85100864 A 19850129

Priority

DE 3412150 A 19840331

Abstract (en)

[origin: EP0157099A2] 1. A circuit arrangement for monitoring the presence of rail vehicles within certain track sections by means of two induction loops (2a, 2b), the changes in the inductivity of which are detected in each case by an oscillator (1a, 1b), the oscillations of which are converted to square pulses and are divided in each case in a frequency divider (3a, 3b) and are fed to an evaluation circuit (6a, 6b) following the frequency dividers (3a, 3b), said evaluation circuit delivering an occupied or free signal depending upon the inductivity change at any time, the circuit arrangement also comprising means which allow the direction of travel to be determined by comparing the times of the two signals originating from the evaluation circuit (6, 6a), characterised in that a quartz-stabilized clock time base (10) independent of the oscillator frequency alternately switches the oscillators (1a, 1b) to the operative state, in that the clock time base (10) is connected to the frequency dividers (3a, 3b) via d.c.-separated coupling networks (12a, 12b), in that the frequency divider (3a, 3b) associated with whichever oscillator (1a, 1b) has been switched to the inoperative state is dynamically set to a defined position and in that a separate evaluation circuit (6a, 6b) is associated with each of the two frequency dividers (3a, 3b).

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