

Title (en)

A control unit for electric toy cars, with simulation of tire replacement.

Title (de)

Steuerungseinheit für elektrische Spielfahrzeuge mit Simulation des Reifenwechsels.

Title (fr)

Unité de contrôle pour voitures-jouet électriques avec simulation du changement de pneus.

Publication

**EP 0525658 A1 19930203 (EN)**

Application

**EP 92112642 A 19920723**

Priority

IT MI912173 A 19910802

Abstract (en)

The car track has two runways (7a,9a) for connection to an electric power supply (27), and a passage detector (33) for each runway. On the control panel (1), there are two tire selection switches (17a,17b) with at least two setting positions, and tire replacement acknowledge switches (24a,24b). For each runway, there are provided a supply voltage regulator (25), two counters driven by the passage detector (33), one (29) for the total lap number and one (31) for the partial lap number, and circuitry means (25,35) adapted for setting a first supply voltage whose value is set by the switch position (17a,17b), and a second supply voltage, much lower than the first, which is applied upon the partial lap counter (31) reaching its limit count. The simulation is based on that the choice of hard tires entails a lower average speed, but a less frequent replacement of the tires, and the choice of soft tires entails a higher average speed but a more frequent tire replacement. <IMAGE>

IPC 1-7

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