Title (en)

Model railway control system.

Title (de)

Steuerungseinrichtung für Modelleisenbahnen.

Title (fr)

Système de commande pour trains miniatures.

Publication

EP 0004699 A1 19791017 (EN)

Application

EP 79300224 A 19790214

Priority

- GB 662378 A 19780220
- GB 7849991 A 19781227

Abstract (en)

A model railway control system for controlling a train on a model railway track layout comprises a power supply unit which is arranged, in operation, to produce a D. C. voltage which periodically changes in potential between two levels. One potential serves to provide power to drive the motor (M) of the train locomotive while the other potential is supplied as a series of pulses. The control system further comprises a control unit connected between the power supply unit and the rails (F) of the track layout for varying the width and/or magnitude of the pulses and a control module (G) provided in the train. The control module (G) is adapted to receive and decode the pulses from the control unit and, using the decoded information, serving to control the operation of the motor (M). The control module receives the pulses via pick-ups (H) which are arranged to contact the wheels of the locomotive and the control module may also be arranged to control the operation of a de-coupler (J). The control module preferably takes the form of a silicon chip.

IPC 1-7

G08C 19/26; A63H 19/24

IPC 8 full level

A63H 18/12 (2006.01); **A63H 19/24** (2006.01)

CPC (source: EP)

A63H 19/24 (2013.01)

Citation (search report)

- DE 941536 C 19560412 - TRIX VEREINIGTE SPIELWAREN FAB
- DE 2601790 A1 19770721 - INGBERT BASTIAN DIPL ING
- DE 2641841 A1 19780720 - KRALICEK JAN
- DE 2502780 A1 19760729 - BRENDLE MARTIN DR RER NAT
- CH 292441 A 19530815 - DUESCHER CERRI FRITZ [CH], et al

Cited by

EP0413979A3

Designated contracting state (EPC)

CH DE FR IT

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