

Title (en)

Apparatus and corresponding electric circuits, especially for electric twin-rail direct-current model trains to power the rolling stock on a particular layout of the line without polarity problems.

Title (de)

Vorrichtungen und zugehörige elektrische Schaltungen, besonders bestimmt für elektrische Zweischienen-Gleichstrom-Mini-Eisenbahnen zum Bewegen von rollendem Material ohne Polaritätsprobleme bei bestimmten Trassenführungen.

Title (fr)

Appareils et circuits électriques correspondants, destinés spécialement aux trains électriques en miniature à deux rails à courant continu pour la propulsion du matériel roulant sans problèmes de polarité dus à des tracés déterminés.

Publication

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Application

EP 85200003 A 19850103

Priority

IT 6707384 A 19840124

Abstract (en)

The track is sectioned by insulating shoes where positive and negative supply voltages would meet on a common conductor. The two supply lines to a DC motor are energised from diode bridges whose junctions are wired to wheels of the locomotive. A reversing switch with a supplementary contact prevents movement after a switching overvoltage pulse. A transformer is provided, having a 16V AC sec. winding (2) for supplying electromagnetic equipment and lighting points. A 12V rectified sec. winding (1) for the motors, has a facility for switching a 24V DC relay supply. An auxiliary sec. winding (AUX) gives 24V DC to the relays of locomotives moving within the protected section.

Abstract (fr)

Appareils et leurs circuits électriques, destinés spécialement aux trains électriques en miniature à deux rails à courant continu pour la propulsion du matériel roulant sans problèmes de polarité dus à des tracés déterminés.

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