

Title (en)

Equipment for controlling the movement of independent, motor-driven vehicles along a line of travel.

Title (de)

Ausrüstung zur Steuerung der Bewegung von unabhängigen, mit Motor angetriebenen Fahrzeugen längs einer Lauflinie.

Title (fr)

Équipement pour la commande du mouvement de véhicules automoteurs indépendants le long d'une ligne de marche.

Publication

EP 0410943 A2 19910130 (EN)

Application

EP 90830332 A 19900717

Priority

IT 6763389 A 19890726

Abstract (en)

The line of travel of an overhead or other type of conveyor system includes three-phase electric power bars (R, S, T) and a control bar (U) divided into successive segments (U1, U2, U3). Each vehicle has on-board control means, (A, B, C) for controlling the state of stoppage and at least one state of movement of the drive means. Each segment of the control bar has associated line control means (SW1, SW2) for controlling at least the said states of stoppage and of movement. The on-board control means comprise an on-board circuit with three branches (LA, LB, LC) which connect the respective power bars to the control bar. Each of these branches includes a respective on-board rectifier (Z). The on-board rectifiers are all oriented in the same sense. The on-board control means are sensitive to the passage of current in one or more branches of the on-board circuit so as to control the said states of stoppage and movement. The line control means associated with each segment of the control bar include a line circuit with a pair of branches (LE, LF) which the respective segments each to a respective power bar. Each of these branches includes a respective oriented line rectifier (D). The line rectifiers are all oriented in the opposite sense from that of the on-board rectifiers. The line control means also include settable switching means (SW1, SW2, C1) for connecting one or other or both of the power bars (R, S) selectively to the control bar segment, such as to cause the passage and/or the stoppage of the current in the branches of the on-board circuit.

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