

Abstract

The invention relates to an electrical control device (23) for controlling the drive of a passenger transport system (1) which can be switched between load operation and idle operation, wherein the electrical control device (23) comprises at least a three-phase mains voltage connection (31), a frequency converter (33), and a controllable switching device (35). The switching device can couple the three phases (U_2 , V_2 , W_2) of the drive motor (25) to the three phases (R, S, T) of the mains voltage connection (31) in a load operation switching state (B2) and to the three phases (U_1 , V_1 , W_1) of the frequency converter (33) in an idle operation switching state (B1), such that the drive motor (25) is supplied with the three-phase mains voltage (U_N) in the load operation switching state (B2) and with the three-phase output voltage (U_{AC1} , U_{AC2} , U_{AC3}) of the frequency converter (33) in the idle operation switching state (B1). Here, the frequency converter (33) is supplied via at least one phase (R, S, T) of the three-phase mains voltage connection (31) and a neutral conductor (N) of the mains voltage connection (31).

Fig. 1