

Title (en)

DRIVE UNIT COMPRISING A DEVICE FOR THE CONTROLLED AND/OR MODULATED GRADUAL SLOW-DOWN AND SHUT-DOWN OF A FUNICULAR

Title (de)

ANTRIEBSANLAGE MIT EINRICHTUNG ZUM GEREGLTEN UND/ODER MODULIERTEN ABSTEUERN UND STILLSETZEN EINER SEILBAHN

Title (fr)

UNITE D'ENTRAINEMENT D'UN TELEPHERIQUE AVEC DISPOSITIF DE DECONNEXION ET D'ARRET REGULES ET/OU MODULES

Publication

**EP 1410114 A1 20040421 (DE)**

Application

**EP 01938226 A 20010516**

Priority

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Abstract (en)

[origin: WO0188637A1] The invention relates to a drive unit comprising a device for the controlled and/or modulated gradual slow-down and shut-down of a funicular. The inventive drive unit comprises an electric motor (12; 34) linked with the drive of the funicular, and a power supply system (2) that is electrically connected to said motor. The inventive drive unit further comprises a first frequency converter (4) interposed between the motor (12; 34) and the connection of the power supply system (2), a first controller (5) that is linked with the output of the first frequency converter (4), the input of the frequency converter (4), with a mains (8) linked with device for detecting the operational mode of the funicular, and with at least one second frequency converter (10; 24, 27). The output of the at least second frequency converter (10; 24, 27) is linked with the electric motor (12). Between the first (4) and the at least second frequency converter (10; 24, 27) at least one mains of a power source is branched off that intervenes for a predetermined period of time. Upstream of said branch-off a selective switch (16; 22, 29) is inserted which is controlled in the open position in the event of a power failure or when the unit is in the brake or shut-down mode.

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