

Title (en)

A METHOD AND AN ARRANGEMENT FOR CONTROLLING AN ELEVATOR MACHINERY BRAKE

Title (de)

VERFAHREN UND ANORDNUNG ZUM STEUERN EINER AUFZUGSMASCHINENBREMSE

Title (fr)

PROCÉDÉ ET AGENCEMENT PERMETTANT DE COMMANDER UN FREIN DE MACHINERIE D'ASCENSEUR

Publication

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Application

EP 15188881 A 20151008

Priority

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Abstract (en)

[origin: EP3153443A1] The brake control system (300) comprises a rectifier bridge (RB1), an intermediate circuit (IC1) having a capacitor (C1), a first brake circuit (BC1) having a first brake inductor (L1) and a second brake circuit (BC2) having a second brake inductor (L2). At least one of the first brake circuit (BC1) and the second brake circuit (BC2) is provided with two current paths so that the brake inductor (L1, L2) can be connected to the capacitor (C1) in the intermediate circuit (IC1) in a forward direction in order to charge energy into the brake inductor (L1, L2) and in a reverse direction in order to discharge energy from the brake inductor (L1, L2). The energy discharged from the brake inductor (L1, L2) is used in the other brake control circuit (BC1, BC2) to control the braking of the other brake (BR1, BR2) to cause a controlled smooth stop of the elevator car (10).

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