Title (en)

ELEVATOR SAFETY SYSTEM, ELEVATOR, AND METHOD FOR PERFORMING A SAFETY SHUTDOWN OF AN ELEVATOR

Title (de)

AUFZUGSICHERHEITSSYSTEM, AUFZUG UND VERFAHREN ZUM DURCHFÜHREN EINER SICHERHEITSABSCHALTUNG EINES AUFZUGS

Title (fr)

SYSTÈME DE SÉCURITÉ D'ASCENSEUR, ASCENSEUR ET PROCÉDÉ PERMETTANT D'EFFECTUER UN ARRÊT DE SÉCURITÉ D'UN ASCENSEUR

Publication

EP 3901077 A1 20211027 (EN)

Application

EP 20170826 A 20200422

Priority

EP 20170826 A 20200422

Abstract (en)

An elevator safety system (50) comprising an elevator safety chain comprising safety contacts and a safety output (1001), a converter unit (30) connected to and configured to operate an elevator motor (20), wherein the converter unit (30) comprises a safety input (31) to prevent generation of torque in the motor (20). The safety system (50) also comprises a brake contactor or relay (40) comprising at least one auxiliary contact (C2_AUX, C3_AUX) configured to operate together with a primary contact (C2, C3) of the brake contactor or relay (40) which is in connection with the safety output (1001) and configured to operate based on the status thereof. Furthermore, the auxiliary contact (C2 AUX, C3_AUX) of the brake contactor or relay (40) is configured to control the operation of the safety input (31) of the converter unit (30) so that the generation of torque is prevented during a safety shutdown.

IPC 8 full level

B66B 1/32 (2006.01); **B66B 1/30** (2006.01)

CPC (source: EP)

B66B 1/30 (2013.01); **B66B 1/32** (2013.01)

Citation (search report)

- [IA] WO 2014126562 A1 20140821 - OTIS ELEVATOR CO [US]
- [A] WO 2015093217 A1 20150625 - HITACHI LTD [JP]
- [A] EP 3403967 A1 20181121 - KONE CORP [FI]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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