

Title (en)
DRIVE OF AN ELEVATOR SYSTEM

Title (de)
ANTRIEB EINER AUFZUGSANLAGE

Title (fr)
MÉCANISME D'ENTRAÎNEMENT D'UN SYSTÈME D'ASCENSEUR

Publication
EP 3966146 A2 20220316 (DE)

Application
EP 20724114 A 20200507

Priority
• EP 19173172 A 20190507
• EP 2020062754 W 20200507

Abstract (en)
[origin: WO202225383A2] The drive (1) of an elevator system (3) comprises an electric machine (5); a first converter (7) which can be electrically connected to an alternating current source (9) and to the electric machine (7); a drive controller (11) for controlling the drive (1); and a drive safety circuit unit (13) which can be electrically connected to a safety circuit (15) of the elevator system (3), to a controller (17) of the elevator system (3) and to the drive controller (11); and at least one first mechanical brake (19) which can be applied by a brake application command from the controller of the elevator system (17). The drive safety circuit unit (13) is designed so that it can be operated in a first operating state and in a second operating state; in the first operating state, the drive safety circuit unit transmits an emergency stop command coming from the safety circuit (15) of the elevator system (3) directly and without delay to the first converter (7), and in the second operating state, the drive safety circuit unit transmits an emergency stop command coming from the safety circuit (15) of the elevator system in a changed manner, in particular with a delay, to the first converter (7). In this way, reliable braking of the elevator system is guaranteed even in the event of failure of the two mechanical brakes.

IPC 8 full level
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CPC (source: CN EP US)
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Citation (search report)
See references of WO 202225383A2

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)
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