

Title (en)  
SAFETY CIRCUIT FOR A LIFT FACILITY

Title (de)  
SICHERHEITSSCHALTUNG FÜR EINE AUFZUGSANLAGE

Title (fr)  
DISPOSITIF DE COMMUTATION DE SÉCURITÉ POUR UNE INSTALLATION D'ASCENSEUR

Publication  
**EP 3233694 A1 20171025 (DE)**

Application  
**EP 15794182 A 20151113**

Priority  
• EP 14198526 A 20141217  
• EP 2015076499 W 20151113

Abstract (en)  
[origin: WO2016096269A1] The invention relates to a safety switching (2) for elevator systems (1). To this end, a safety function (A, B) and a safety switch (34, 35) dedicated to the safety function (A, B) are provided. The safety switch (34, 35) opens or closes a safety circuit (3) between one connection point (32) and a second connection point (33) as a function of a safety state of the safety function (A, B). Furthermore, there is a test function (T), according to the invention, for testing the safety function (A, B), which tests whether or not the safety switch (34, 35) opens and closes the safety circuit (3) as a function of the safety state of the safety function (A, B). A detection device (57) is provided for the test function (T). Furthermore, an auxiliary energy function (H) is provided, by way of which an auxiliary voltage can be temporarily applied via at least the safety switch (34, 35) and an input part (58) of the detection device (57) for performing the test function (T). Locally between the connection point (32) and the at least one additional connection point (33), the auxiliary energy function (H) introduces into the safety circuit (3) an auxiliary energy for the purpose of generating the auxiliary voltage. The invention further relates to the use of a safety switching (2) for converting or retrofitting an existing elevator system (1), to an elevator system (1) having such a safety switching (2), and to a method for testing of safety functions (A, B) in elevator systems (1).

IPC 8 full level  
**B66B 5/00** (2006.01); **B66B 13/22** (2006.01)

CPC (source: CN EP US)  
**B66B 5/0031** (2013.01 - CN EP US); **B66B 5/0093** (2013.01 - CN EP US); **B66B 13/22** (2013.01 - CN EP US); **B66B 19/007** (2013.01 - US); **B66B 9/00** (2013.01 - US)

Citation (search report)  
See references of WO 2016096269A1

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

DOCDB simple family (publication)  
**WO 2016096269 A1 20160623**; CN 107250018 A 20171013; CN 107250018 B 20190531; EP 3233694 A1 20171025; EP 3233694 B1 20190123; ES 2713174 T3 20190520; US 10526169 B2 20200107; US 2017341906 A1 20171130

DOCDB simple family (application)  
**EP 2015076499 W 20151113**; CN 201580076272 A 20151113; EP 15794182 A 20151113; ES 15794182 T 20151113; US 201515537447 A 20151113