

Title (en)

Safety device, drive device and lift device

Title (de)

Sicherungsvorrichtung Antriebsvorrichtung und Aufzugvorrichtung

Title (fr)

Dispositif de sécurisation, dispositif d'entraînement et dispositif d'ascenseur

Publication

**EP 2604563 B1 20151021 (DE)**

Application

**EP 11009791 A 20111212**

Priority

EP 11009791 A 20111212

Abstract (en)

[origin: EP2604563A1] The safety apparatus (2) comprises a monitoring unit which is configured for monitoring several drives. A safety device (5) which has several sensors (6) that are switched between several switching states depending on a state of an elevator apparatus. Several safety devices and the monitoring unit comprise a controller (7) that identifies the respective switching states of the sensors and transmits several data and monitoring signals to the monitoring unit. Independent claims are included for the following: (1) a drive apparatus; and (2) an elevator apparatus.

IPC 8 full level

**B66B 5/00** (2006.01); **B66B 13/22** (2006.01)

CPC (source: EP US)

**B66B 5/0031** (2013.01 - EP US); **B66B 13/22** (2013.01 - EP US)

Cited by

US11078049B2; US11014778B2

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

DOCDB simple family (publication)

**EP 2604563 A1 20130619**; **EP 2604563 B1 20151021**; BR 102012031604 A2 20131105; CN 103159104 A 20130619; CN 103159104 B 20170901; US 2013146399 A1 20130613; US 9309090 B2 20160412

DOCDB simple family (application)

**EP 11009791 A 20111212**; BR 102012031604 A 20121211; CN 201210537209 A 20121212; US 201213675303 A 20121113