

Title (en)
Electronic safety system for elevators

Title (de)
Elektronisches Sicherheitssystem für Aufzüge

Title (fr)
Système de sécurité électronique pour élévateurs

Publication
EP 2108608 A1 20091014 (EN)

Application
EP 08154428 A 20080411

Priority
EP 08154428 A 20080411

Abstract (en)
An elevator safety system comprises a controller (10) for controlling a safety mechanism (12) of an elevator; a safety bus (14) connected to the controller (10); and a plurality of strings of safety contacts (32) in communication with said safety bus (14) via a bus node (34). The bus nodes (34) each transmit a signal determining a condition of the respective string (32) to the controller (10) via the safety bus (14) in a digitized form and comprise transmission means (37) for transmitting the digitized condition signals in a time division multiplexed manner. Further, the controller (10) comprises demultiplexing means (17) for demultiplexing the digitized condition signals received via the safety bus (14).

IPC 8 full level
B66B 1/34 (2006.01)

CPC (source: EP)
B66B 1/34 (2013.01); **B66B 1/3415** (2013.01)

Citation (applicant)
US 6173814 B1 20010116 - HERKEL PETER [DE], et al

Citation (search report)
• [XY] US 4497391 A 19850205 - MENDELSON ARNOLD [US], et al
• [DYA] US 6173814 B1 20010116 - HERKEL PETER [DE], et al
• [X] US 3782504 A 19740101 - BILLMAIER J, et al
• [A] WO 03020625 A1 20030313 - OTIS ELEVATOR CO [US]
• [A] WO 2008013515 A2 20080131 - THYSSEN ELEVATOR CAPITAL CORP [US], et al
• [A] GB 2066517 A 19810708 - OTIS ELEVATOR CO
• [A] EP 1067714 A1 20010110 - LUCENT TECHNOLOGIES INC [US]

Cited by
CN113460818A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2108608 A1 20091014; WO 2009124917 A1 20091015

DOCDB simple family (application)
EP 08154428 A 20080411; EP 2009054104 W 20090406