Title (en)
Elevator

Title (de)
Aufzug

Title (fr)
Élévateur

Publication
EP 2527281 A3 20131030 (EN)

Application
EP 12169035 A 20120523

Priority
JP 2011117093 A 20110525

Abstract (en)
[origin: EP2527281A2] An elevator includes an arithmetic device (32, 37) that incorporates a comparing unit (46) for comparing a car speed V1 calculated by using an encoder signal (28) from an encoder (21) with a car speed V2 calculated by using an acceleration sensor signal (31) from an acceleration sensor (24) installed on a car (1) to detect a failure of the encoder (21) by determining whether a difference between the car speeds V1 and V2 is present in a predetermined range, thereby, a failure diagnosis in the arithmetic device is carried out in low cost and high reliability.

IPC 8 full level
B66B 5/06 (2006.01); **B66B 5/00** (2006.01)

CPC (source: EP)
B66B 5/0031 (2013.01); **B66B 5/06** (2013.01)

Citation (search report)
- [XY] US 2005269163 A1 20051208 - ANGST PHILIPP [CH]
- [X] US 2010308762 A1 20101209 - KALLIONIEMI ANTTI [FI], et al
- [Y] WO 2009013114 A1 20090129 - INVENTIO AG [CH], et al

Cited by
EP3527522A1; US11753275B2; US11548758B2; WO2023222422A1

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)
EP 2527281 A2 20121128; **EP 2527281 A3 20131030**; **EP 2527281 B1 20150318**; CN 102795521 A 20121128; CN 102795521 B 20150722; JP 2012246073 A 20121213; JP 5529075 B2 20140625

DOCDB simple family (application)
EP 12169035 A 20120523; CN 201210157995 A 20120521; JP 2011117093 A 20110525