

Title (en)

Foldable self-locking toe guard for elevator car

Title (de)

Faltbare selbsthemmende Fahrkorbschürze

Title (fr)

Chasse-pieds pliable auto-bloquant pour cabine d'ascenseur

Publication

EP 1772414 A1 20070411 (DE)

Application

EP 06020283 A 20060927

Priority

DE 102005047498 A 20051004

Abstract (en)

Safety system comprises devices (12, 13b, 13c) for locking folding skirt elements (10, 11) in a protecting position so that they pivot by forces on the skirt elements acting toward the shaft and in the horizontal direction. Preferred Features: One locking device for steering the folding movement of the skirt elements is structured so that it acts simultaneously as a guiding and locking device in the protecting position whilst it locks the skirt elements in the protecting position against a common pivoting movement in the direction of the shaft.

IPC 8 full level

B66B 13/28 (2006.01)

CPC (source: EP)

B66B 13/285 (2013.01)

Citation (search report)

- [XDY] EP 1118576 A2 20010725 - THYSSEN AUFZUGSWERKE GMBH [DE]
- [XAY] DE 10065101 A1 20020718 - LOGOS INNOVATIONEN GMBH [DE]
- [YD] US 6095288 A 20000801 - RIVERA JAMES A [US], et al
- [Y] EP 1524234 A1 20050420 - LM LIFTMATERIAL GMBH [DE]

Cited by

CN110316638A; CN109019266A; CN102701057A; EP2694418A4; CN102367139A; ITBO20130330A1; US11161716B2; US11702320B2; US11136222B2; WO2013054321A1; WO2021063608A1; WO2012137032A1; US9428365B2; US10005645B2; US11235952B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1772414 A1 20070411; EP 1772414 B1 20090513; EP 1772414 B9 20091223; AT E431314 T1 20090515; CN 1982195 A 20070620; CN 1982195 B 20100512; DE 102005047498 B3 20070419; DE 202006016013 U1 20070125; DE 502006003702 D1 20090625; ES 2332466 T3 20100205; RU 2006134255 A 20080410; RU 2380311 C2 20100127

DOCDB simple family (application)

EP 06020283 A 20060927; AT 06020283 T 20060927; CN 200610141689 A 20061008; DE 102005047498 A 20051004; DE 202006016013 U 20060927; DE 502006003702 T 20060927; ES 06020283 T 20060927; RU 2006134255 A 20060927