

Title (en)

Improvements in or relating to stairlifts

Title (de)

Verbesserungen bei oder im Zusammenhang mit Treppenliften

Title (fr)

Améliorations de guides fauteuils monte-escalier ou relatives à ceux-ci

Publication

**EP 2368830 A1 20110928 (EN)**

Application

**EP 11162676 A 20090423**

Priority

EP 09251170 A 20090423

Abstract (en)

The invention describes an over-speed governor for a stairlift which not only triggers a safety gear (30, 33) or brake upon the carriage (12) exceeding a pre-determined speed, but also triggers the safety gear in the event the carriage unexpectedly reverses its direction. In a preferred embodiment, the over-speed governor also triggers the safety gear in the event the chair (11) departs from the horizontal by more than a predetermined angle. The speed determining function is preferably electronic and the safety gear operates in both directions without adaptation. Other aspects are described including setting the trip speed as a function of carriage position on the rail.

IPC 8 full level

**B66B 9/08** (2006.01)

CPC (source: EP)

**B66B 9/08** (2013.01); **B66B 9/0815** (2013.01)

Citation (applicant)

- GB 2339419 A 20000126 - SURGECAM LIMITED [GB]
- WO 2004014773 A1 20040219 - STANNAH STAIRLIFTS LTD [GB], et al
- WO 2007038232 A2 20070405 - HAMILTON THORNE BIOSCIENCES IN [US], et al
- EP 0738232 A1 19961023 - STANNAH STAIRLIFTS LTD [GB]

Citation (search report)

- [YD] WO 2004014773 A1 20040219 - STANNAH STAIRLIFTS LTD [GB], et al
- [YD] GB 2339419 A 20000126 - SURGECAM LIMITED [GB]
- [Y] EP 1431229 A1 20040623 - MITSUBISHI ELECTRIC CORP [JP]
- [E] GB 2457767 A 20090902 - STANNAH STAIRLIFTS LTD [GB]

Cited by

CN104495559A; CN104495560A; CN105217404A; GB2488051A; GB2488051B

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

**EP 2243740 A1 20101027**; **EP 2243740 B1 20120104**; AT E539994 T1 20120115; EP 2368830 A1 20110928; EP 2368830 B1 20130130

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