

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)

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Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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EP 09251170 A 20090423; AT 09251170 T 20090423; EP 11162676 A 20090423