

Title (en)

Rail follower apparatus for stair lift

Title (de)

Schienenführungsvorrichtung für einen Treppenlift

Title (fr)

Appareil de suiveur de rails pour monte-escalier

Publication

EP 2452909 A1 20120516 (EN)

Application

EP 10190711 A 20101110

Priority

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Abstract (en)

Rail follower apparatus for a stair lift having a single rail. Two rail followers (1, 2) are connected to each other by a linkage (6), each rail follower (1, 2) being connected to the linkage (6) by a joint having multiple degrees of freedom. The rotational axis (31, 32) of each of the rotational degrees of freedom intersects with or passes close to the traction zone (52) where the drive wheel (23) contacts the toothed track (4). The turning moments required to keep the followers aligned with the rail are thereby reduced to a minimum.

IPC 8 full level

B66B 9/08 (2006.01)

CPC (source: EP)

B66B 9/0807 (2013.01); **B66B 9/0815** (2013.01)

Citation (applicant)

- WO 9712830 A1 19970410 - THYSSEN DE REUS BV [NL], et al
- EP 1449801 A1 20040825 - OOMS OTTO BV [NL]
- WO 2007046690 A1 20070426 - FREE LIFT B V [NL], et al

Citation (search report)

- [XAY] EP 0143737 A1 19850605 - RIGERT CESAR
- [Y] US 2010101894 A1 20100429 - SZENTISTVANY ANDREAS CSABA [GB], et al
- [A] EP 1236671 A1 20020904 - BC LIFT AS [DK]

Cited by

CN109941866A; US9908745B2; US2017233223A1; US10843901B2

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

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