

Title (en)

Elevator car guide rail rollers for engaging elevator guide rails

Title (de)

Führungsschienenrollen einer Aufzugkabine zum Einrasten von Aufzugsführungsschienen

Title (fr)

Rouleaux de rails de guidage de cabine d'ascenseur permettant de s'engager sur des rails de guidage d'ascenseur

Publication

EP 2907784 A1 20150819 (EN)

Application

EP 14154851 A 20140212

Priority

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Abstract (en)

The invention relates to an elevator and a method for replacing guide rail guiding devices of an elevator. The elevator shaft of the elevator has guide rails on opposite sides of the elevator shaft. The guide rails are engaged with guide rail guiding devices mounted on both sides of the elevator car that limit the transverse movement of the elevator car between the guide rails. The guide rail guiding devices comprise two coplanar wheels having a wheel portion and a flange portion. The wheel portions rollably engage both flanks of a guide rail web from both sides of the web. The flank portions on guide rail guiding devices on both sides of the elevator car serve to restrict the transverse movement of the elevator car in the direction between the guide rails.

IPC 8 full level

B66B 7/04 (2006.01)

CPC (source: EP)

B66B 7/046 (2013.01)

Citation (search report)

- [XAYI] BE 401393 A
- [XAYI] DE 8411331 U1 19860430
- [XAYI] SU 451601 A1 19741130
- [Y] EP 2676914 A1 20131225 - KONE CORP [FI]
- [Y] WO 2004099055 A1 20041118 - OTIS ELEVATOR CO [US], et al
- [Y] WO 2013028184 A1 20130228 - OTIS ELEVATOR CO [US], et al
- [Y] JP H0977415 A 19970325 - OTIS ELEVATOR CO
- [A] SU 1440835 A1 19881130 - VNII GORNOJ MEKH [SU]
- [A] US 5960911 A 19991005 - GUAITA ERMINIO [IT], et al

Cited by

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Designated contracting state (EPC)

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