

Title (en)
ELEVATOR ROLLER GUIDE WITH VARIABLE STIFFNESS DAMPER

Title (de)
ROLLENFÜHRUNG FÜR AUFZUG MIT DÄMPFER MIT VERSTELLBARER STEIFIGKEIT

Title (fr)
GUIDAGE D'ASCENSEUR A GALETS AVEC AMORTISSEUR A RIGIDITE VARIABLE

Publication
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Application
EP 03774685 A 20031008

Priority
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Abstract (en)
[origin: WO2005044710A1] An elevator system roller guide device (26) includes a plurality of rollers (32) that roll along a guide rail (28). Dampers (40) that have a selectively variable stiffness dampen lateral movements between the rollers (32) and roller guide device base (30) as the elevator car assembly (20) moves through a hoistway. In one example, the dampers include a magneto-rheological fluid. A controller (50) selectively controls a magnetic field generated by an electromagnet (52) to selectively control the viscosity of the magneto-rheological fluid and the stiffness of the dampers (40).

IPC 8 full level
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CPC (source: EP)
B66B 7/042 (2013.01); **B66B 7/044** (2013.01); **B66B 7/046** (2013.01)

Citation (search report)

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- [X] JP 2002173284 A 20020621 - TOSHIBA CORP
- [X] US 5810120 A 19980922 - JAMIESON ERIC K [US], et al
- [X] US 5864102 A 19990126 - JAMIESON ERIC K [US], et al
- See references of WO 2005044710A1

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