

Title (en)

Apparatus and system for detecting elevator car overspeed

Title (de)

Vorrichtung und System zur Erkennung erhöhter Geschwindigkeit einer Aufzugkabine

Title (fr)

Appareil et système pour détecter la vitesse excessive d'une cabine d'ascenseur

Publication

EP 2020397 A1 20090204 (EN)

Application

EP 07380228 A 20070803

Priority

EP 07380228 A 20070803

Abstract (en)

The invention relates to an apparatus and system for detecting overspeed of elevator components such as a car or a counterweight having: a wheel, with an auxiliary surface or auxiliary wheel (100), configured to run on a first surface (210) of a travel rail (200) of the elevator component; an actuating device for actuating a braking mechanism of the elevator component; a speed detection device for generating a synchronized alternating movement with the speed of the elevator component; the speed detection device being configured to not generate the synchronized alternating movement when a predetermined speed of the elevator component is exceeded and to thus activate the actuating device (300). In the system of the invention, the apparatus can be arranged in an upper or lower part of the elevator component. In the first case, the transmission device has a plurality of levers (910); in the second case, it has pinions (920) and chains.

IPC 8 full level

B66B 5/04 (2006.01)

CPC (source: EP)

B66B 5/044 (2013.01); **B66B 5/046** (2013.01)

Citation (applicant)

- ES 2184612 A1 20030401 - DE VERA SAVERA SA [ES]
- DE 10147629 A1 20030424 - SCHLOSSER GERHARD [DE]
- EP 1516842 A2 20050323 - AUFZUGEVLUTION SCHLOSSER & SC [DE]

Citation (search report)

- [XY] DE 10147629 A1 20030424 - SCHLOSSER GERHARD [DE]
- [XY] EP 1516842 A2 20050323 - AUFZUGEVLUTION SCHLOSSER & SC [DE]
- [X] EP 0121711 A2 19841017 - BONGERS & DEIMANN [DE]
- [XY] DE 2857376 C2 19811001
- [DA] US 5065845 A 19911119 - PEARSON DAVID B [US]

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