

Title (en)

Overspeed sensor for elevators with multiple light barriers

Title (de)

Übergeschwindigkeitsdetektor für Aufzugsanlagen mit mehrfacher Lichtschranke

Title (fr)

Capteur de survitesse pour élévateurs avec barrières photoélectriques multiples

Publication

EP 0712804 B1 20020605 (DE)

Application

EP 95117394 A 19951104

Priority

CH 347594 A 19941118

Abstract (en)

[origin: EP0712804A1] The over-velocity detector uses a multi-channel light barrier (7) associated with the lift cabin and a redundant measuring rail (6) attached to the side of the lift shaft, with markings (10,13) defining a travel path (8) and a control path (9), which are scanned by the light barrier. The measuring rail may also have a safety path with markings in the form of slits or holes, the light barrier having at least 2 independent channels, positioned symmetrical to one another.

IPC 1-7

B66B 5/06; **B66B 1/34**

IPC 8 full level

G01P 3/486 (2006.01); **B66B 1/34** (2006.01); **B66B 5/04** (2006.01); **B66B 5/06** (2006.01); **G01D 5/32** (2006.01); **G01P 3/68** (2006.01)

CPC (source: EP US)

B66B 1/3492 (2013.01 - EP US); **B66B 5/06** (2013.01 - EP US)

Cited by

EP1493706A4; SG120250A1; US6161653A; CN102976175A; EP1995610A1; EP2578526A4; US6253879B1; US6173813B1; US7617911B2; WO2007147928A1; WO2011076590A1; US8464841B2; US6170614B1

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EP 0712804 A1 19960522; **EP 0712804 B1 20020605**; AU 3792595 A 19960523; AU 702033 B2 19990211; BR 9505214 A 19970916; CA 2161291 A1 19960519; CA 2161291 C 20060110; CN 1040863 C 19981125; CN 1131121 A 19960918; DE 59510226 D1 20020711; ES 2177599 T3 20021216; FI 109896 B 20021031; FI 955518 A0 19951116; FI 955518 A 19960519; HK 1012324 A1 19990730; JP 4004564 B2 20071107; JP H08240607 A 19960917; MY 113857 A 20020629; SG 46957 A1 19980320; US 5648645 A 19970715; ZA 959799 B 19970204

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