

Title (en)
Safety brake for an elevator

Title (de)
Sicherheitsbremse für einen Aufzug

Title (fr)
Frein de sécurité pour ascenseur

Publication
EP 0708051 A1 19960424 (EN)

Application
EP 95116413 A 19951018

Priority
FI 944981 A 19941021

Abstract (en)
Safety brake (14) for an elevator, enabling the movement of the elevator rope (8) to be stopped between a back stop (17) and a bilateral eccentric jaw (18) in both directions of rope movement. The safety brake is self-locking. Its energy source is a spiral conveyor spring (20) which drives a conveyor (19) that pushes the jaws towards the back stop (17), causing the rope to be squeezed between the jaw and the back stop. The conveyor spring is provided with a shaft and wound up by rotating the shaft by means of a winding motor. Between the shaft and the motor there is a magnetic coupling which, when de-energized, activates the safety brake. <IMAGE>

IPC 1-7
B66B 5/24; **B66B 5/04**

IPC 8 full level
B66B 5/16 (2006.01); **B66B 5/24** (2006.01); **B66D 5/16** (2006.01)

CPC (source: EP KR)
B66B 5/0068 (2013.01 - EP); **B66B 5/04** (2013.01 - KR); **B66B 5/185** (2013.01 - EP); **B66D 5/16** (2013.01 - EP)

Citation (applicant)
• US 4819765 A 19890411 - WINKLER HUGO [AT], et al
• US 5096020 A 19920317 - KORHONEN HELGE [FI]
• US 5183979 A 19930202 - SHERIDAN WILLIAM G [US], et al

Citation (search report)
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• [Y] FR 330353 A 19030817 - ALFRED HARRISON MEECH [US]
• [A] US 5183979 A 19930202 - SHERIDAN WILLIAM G [US], et al
• [A] US 3976168 A 19760824 - YAMAMOTO MAYJUE A

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