

Title (en)  
SAFETY INSTALLATION FOR ELEVATORS

Publication  
**EP 0032073 B1 19850213 (FR)**

Application  
**EP 80401735 A 19801205**

Priority  
FR 7930068 A 19791207

Abstract (en)  
[origin: US4364453A] The installation comprises a switch 121 inserted between an electric source 117 and the motor 105 of a winch 104, a switch which is of the two-part type of which one 121a is solid with a moving contact 108 and the other 121b with a car 103. The electric elements of the installation such as motor 105, electromagnets 118 and 119 and a motor 114 of a drum 110 for connecting cables 116 are fed directly by a line 200 from electric source 117 while a line 300 runs to part 121b of switch 121, the other part 121b receiving lines corresponding to feeding other poles of said electric elements 105, 118, 119, 114. When the current is interrupted, electromagnets 118-119 are deexcited and springs 149-150 thrust levers 141-142. Car 103, thus uncoupled from moving contact 108, descends by its own weight, unwinding connecting cables 116. A centrifugal brake 112 assures a reasonable and constant speed until car 103 reaches the stop. Even if the current is reestablished while the car is descending by itself, motor 105 cannot be started since switch 121 is open.

IPC 1-7  
**B66B 5/02**

IPC 8 full level  
**B66B 5/02** (2006.01)

CPC (source: EP US)  
**B66B 5/027** (2013.01 - EP US)

Citation (examination)

- FR 1164563 A 19581013
- CH 207119 A 19390930 - SCHWEIZ WAGONS AUFZUEGEFAB [CH]
- BE 765036 R 19710816 - VANDERPLANCKE HUBERT T
- FR 1580515 A 19690905

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**FR 2437371 A1 19800425; FR 2437371 B1 19820604;** DE 3070183 D1 19850328; EP 0032073 A2 19810715; EP 0032073 A3 19810722; EP 0032073 B1 19850213; US 4364453 A 19821221

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