

Title (en)  
LOCKING DEVICE FOR TELESCOPIC ELEMENTS OF A LIFT

Publication  
**EP 0187976 A3 19880803 (DE)**

Application  
**EP 85116068 A 19851217**

Priority  
DE 3500841 A 19850112

Abstract (en)  
[origin: EP0187976A2] A locking device between two or more telescopic elements, movable relative to one another, of a cage or goods lift. Here, the individual telescopic elements are mutually locked by trip-dog carriers or locking pawls. This locking can be designed to occur automatically and to be released by the actuation of a pulling rope or vice versa. The essential feature of the invention is that the rope extension of the pulling rope run over a plurality of telescopic elements is compensated by pulley-block-like turning of the pulling rope, i.e. a substantially greater shortening is effected at reduced expenditure of force in the pulling rope compared with the unlocking or locking rope. Consequently, there is not only a transmission ratio within the pulling rope itself but also between the pulling rope and the locking or unlocking rope. <IMAGE>

IPC 1-7  
**B66B 9/20**

IPC 8 full level  
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CPC (source: EP)  
**B66B 9/16** (2013.01); **E06C 5/02** (2013.01); **E06C 5/12** (2013.01)

Citation (search report)  
• [AD] DE 3001410 A1 19820729 - BOECKER ALBERT GMBH & CO KG [DE]  
• [A] DE 3329210 A1 19850228 - ANDERNACH KG A W [DE]  
• [A] DE 3149639 A1 19830721 - PAUS GMBH MASCHF HERMANN [DE]

Cited by  
GB2262931A; EP0409059A3

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**EP 0187976 A2 19860723; EP 0187976 A3 19880803; EP 0187976 B1 19911204**; AT E70026 T1 19911215; DE 3584834 D1 19920116; ES 550790 A0 19870316; ES 8704137 A1 19870316; JP S62116486 A 19870528; SU 1586508 A3 19900815

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