

Title (en)  
ELEVATOR

Title (de)  
AUFZUG

Title (fr)  
ASCENSEUR

Publication  
**EP 1511683 A1 20050309 (EN)**

Application  
**EP 03722650 A 20030508**

Priority  
• FI 0300359 W 20030508  
• FI 0200500 W 20020607

Abstract (en)  
[origin: WO03104128A1] In an elevator, preferably one without machine room, a hoisting machine (6) engages a set of hoisting ropes (3) via a traction sheave, said set of hoisting ropes having a load-bearing part twisted from steel wires of circular and/or non-circular crosssection, and in which elevator there is diverting pulleys (9, 4) of which some is made larger than traction sheave. The weight of the hoisting machine of the elevator is at most about 1/5 of the weight of the nominal load of the elevator.

IPC 1-7  
**B66B 11/00**; B66B 7/06

IPC 8 full level  
**B66B 7/06** (2006.01); **B66B 11/00** (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP)  
**B66B 7/06** (2013.01); **B66B 11/009** (2013.01)

Citation (search report)  
See references of WO 03104128A1

Citation (third parties)  
Third party :  
• WO 0027739 A1 20000518 - KONE CORP [FI], et al  
• GROOT DE F; WILSCHUT J: "TRACTIELIFT ZONDER MACHINEKAMER", BOUWWERELD, no. 19, 11 October 1996 (1996-10-11), pages 66 - 68, XP000641873

Cited by  
EP2655235A4; DE202008001786U1; EP2082983A1; EP1886957A1; US10221043B2; US8556041B2; US9446931B2; EP2082983B1

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DOCDB simple family (publication)  
**WO 03104128 A1 20031218**; AT E367354 T1 20070815; CN 100540441 C 20090916; CN 1659093 A 20050824; DE 60315027 D1 20070830; DE 60315027 T2 20071115; EP 1511683 A1 20050309; EP 1511683 B1 20070718; ES 2286427 T3 20071201; JP 2005529042 A 20050929; TW 200406354 A 20040501; TW I286117 B 20070901

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**FI 0300359 W 20030508**; AT 03722650 T 20030508; CN 03813166 A 20030508; DE 60315027 T 20030508; EP 03722650 A 20030508; ES 03722650 T 20030508; JP 2004511209 A 20030508; TW 92115007 A 20030603