

Title (en)  
A machine-roomless traction sheave elevator

Title (de)  
Maschinenraumloser Antriebsscheibenaufzug

Title (fr)  
Ascenseur à poulie de traction sans salle de machines

Publication  
**EP 1333000 A1 20030806 (EN)**

Application  
**EP 02425056 A 20020205**

Priority  
EP 02425056 A 20020205

Abstract (en)  
A machine-roomless traction sheave elevator comprising an elevator car (1), moving along elevator guides (3); a counterweight (4) moving along counterweight guides (7); a set of hoisting ropes (6) on which said elevator car (1) and counterweight (4) are suspended in an elevator shaft (2); a drive unit assembly (8), disposed in said elevator shaft, which actuates a traction sheave (10) acting onto said hoisting ropes (6). The drive unit assembly (8) is mounted in said elevator shaft (2) with its axis parallel to the plane of said elevator car guides (3), and comprises an electric motor (11) on which said traction sheave (10) is mounted with its axis perpendicular to said plane. The control board of the elevator system is placed at a side of the landing door, in an independent box (14), and at least a removable panel is foreseen in the ceiling or in the side walls of the car (1) to facilitate the maintenance of the drive unit assembly (8) from the inside of the car. <IMAGE>

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

IPC 8 full level  
**B66B 11/00** (2006.01)

CPC (source: EP)  
**B66B 11/008** (2013.01)

Citation (search report)  
• [XY] WO 9933742 A1 19990708 - INVENTIO AG [CH], et al  
• [YA] EP 0631967 A2 19950104 - KONE OY [FI]

Citation (third parties)  
Third party :  
DE 20021886 U1 20010315 - ZIEHL ABEGG GMBH & CO KG [DE]

Cited by  
US8573367B2; JP2006027903A; JP2012525308A; EP1553039A3; ES2294943A1; CN101913522A; EP2050703A3; US2010200339A1; CN101821185A; EA017296B1; AU2008301165B2; FR2893460A1; CN105775953A; CN109279478A; CN110861993A; JPWO2018199134A1; US10589963B2; US10745246B2; WO2017005327A1; WO2008095324A1; WO2020002874A1; WO2010126484A1; WO2018199134A1; US7624847B2; US7775325B2; US8839911B2; EP2050703A2; WO2010133745A1; WO2009036583A1; WO2008037829A1

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