

Title (en)  
Elevator system

Title (de)  
Aufzugssystem

Title (fr)  
Système d'ascenseur

Publication  
**EP 1028082 A3 20011128 (EN)**

Application  
**EP 00102175 A 20000209**

Priority  
JP 3308399 A 19990210

Abstract (en)  
[origin: EP1028082A2] There is described an elevator system in which a hoist is provided on a car and which can be provided within a shaft corresponding to the height of the top floor of a building. A hoist is placed in the plane orthogonal to a path along which a car is to move vertically. The rotor axis of a sheave is oriented in the vertical direction, and the height of the hoist is arranged so as to become smaller than the diameter of the sheave. The hoist is energized, to thereby move the car vertically by way of a main cable wound around the sheave. The top clearance insured between the lower surface of the top of the shaft and the upper surface of the car when the car is stopped at the top floor can be diminished. The lower surface of the top of the shaft can be made lower than the height of the top floor of a building, thus diminishing construction cost required to ensure a space for installing the elevator system. <IMAGE>

IPC 1-7  
**B66B 11/08**; **B66B 11/00**

IPC 8 full level  
**B66B 5/00** (2006.01); **B66B 7/00** (2006.01); **B66B 7/08** (2006.01); **B66B 9/02** (2006.01); **B66B 11/00** (2006.01); **B66B 11/02** (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP KR)  
**B66B 5/00** (2013.01 - KR); **B66B 11/005** (2013.01 - EP); **B66B 11/008** (2013.01 - EP)

Citation (search report)  
• [Y] FR 2640604 A1 19900622 - OTIS ELEVATOR CO [US]  
• [YA] EP 0841283 A1 19980513 - INVENTIO AG [CH]

Cited by  
DE10104351A1; EP1700813A4; EP1612179A1; EP2346767A4; EP2019073A4; US6892862B2; US9446931B2; US7503433B2; EP4344430A1; WO2010039735A1; US9315363B2; US9315938B2; WO2023011771A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1028082 A2 20000816**; **EP 1028082 A3 20011128**; **EP 1028082 B1 20040428**; CN 1114557 C 20030716; CN 1263042 A 20000816; DE 60010143 D1 20040603; DE 60010143 T2 20050504; DE 60031313 D1 20061123; DE 60031313 T2 20070516; EP 1396460 A2 20040310; EP 1396460 A3 20040519; EP 1396460 B1 20061011; JP 2000229772 A 20000822; JP 4190641 B2 20081203; KR 100330287 B1 20020327; KR 20000057942 A 20000925

DOCDB simple family (application)  
**EP 00102175 A 20000209**; CN 00101859 A 20000204; DE 60010143 T 20000209; DE 60031313 T 20000209; EP 03026849 A 20000209; JP 3308399 A 19990210; KR 20000005617 A 20000207