Title (en)
Elevator system having an improved hoisting machine

Title (de)
Aufzugssystem mit verbessertem Hebezeug

Title (fr)
Système d'ascenseur avec machinerie de levage améliorée

Publication
EP 1702879 A1 20060920 (EN)

Application
EP 06011836 A 20000707

Priority
• EP 00114098 A 20000707
• JP 24053899 A 19990826

Abstract (en)
An elevator system comprises: a car (2) which moves vertically along a predetermined path within a hoistway; a counterweight (3) provided in a clearance defined between the interior wall of the hoistway and said car; turning pulleys (10,11) whose rotation axes are oriented horizontally and which are provided on the upper end of the hoistway, one of said turning pulleys being provided so as to associate with said car, and the other being provided so as to associate with the counterweight; a hoisting machine (26) mounted on the upper end of the hoistway so as to correspond to the vicinity of a side surface of said car opposite the door, said hoisting machine (26) having a driving sheave (27) provided thereon and whose rotor axis is oriented vertically; and a main cable (12) whose one end is connected to a predetermined location on the hoistway by way of said car pulley and whose other end is connected to another location on the hoistway by way of the counterweight pulley and which extends vertically to a pair of turning pulleys and which extends horizontally to said driving sheave (27).

IPC 8 full level
B66B 7/00 (2006.01); B66B 11/04 (2006.01); B66B 11/00 (2006.01)

CPC (source: EP)
B66B 11/008 (2013.01); B66B 11/0438 (2013.01)

Citation (search report)
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• [A] US 5899301 A 19990504 - AULANKO ESKO [FI], et al
• [A] EP 0890541 A1 19990113 - KONE OYJ KONE CORP [FI]

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CN103345856A

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 1078876 A2 20010228; EP 1078876 A3 20050406; EP 1078876 B1 20061227; CN 100515904 C 20090722; CN 101486428 A 20090722; CN 101486428 B 20120328; CN 1226177 C 20051109; CN 1286210 A 20010307; CN 1749145 A 20060322; DE 00114098 T1 20050331; DE 60032547 D1 20070208; DE 60032547 T2 20071004; DE 60043755 D1 20100311; DE 60043906 D1 20100408; EP 1702878 A1 20060920; EP 1702878 B1 20100120; EP 1702879 A1 20060920; EP 1702879 B1 20100224; JP 2001063933 A 20010313; JP 4191333 B2 20081203; TW 503212 B 20020921

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