

Title (en)
Elevator apparatus

Title (de)
Aufzug

Title (fr)
Ascenseur

Publication
EP 1378479 A3 20040121 (EN)

Application
EP 03022130 A 19991206

Priority
• EP 99957414 A 19991206
• JP 9906807 W 19991206

Abstract (en)
[origin: EP1151955A1] In an elevator apparatus having no machine room, a thin type traction machine is arranged at a height, from which a top and a pit section of an elevating path are excluded, on a projection face of a horizontal cross-section of the elevating path between a cage and an elevating path wall, and direction-change-pulleys are arranged at upper positions of the traction machine on a projection face of a horizontal cross-section of the elevating path being inclined with respect to the elevating path wall. <IMAGE>

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

IPC 8 full level
B66B 9/00 (2006.01); **B66B 11/00** (2006.01)

CPC (source: EP KR)
B66B 11/00 (2013.01 - KR); **B66B 11/0045** (2013.01 - EP); **B66B 11/008** (2013.01 - EP)

Citation (search report)
• [XA] EP 0953538 A2 19991103 - TOSHIBA KK [JP]
• [A] US 5957242 A 19990928 - SUTER CHRISTIAN [CH], et al

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FR2962428A1; WO2012004499A1

Designated contracting state (EPC)
DE FR NL

DOCDB simple family (publication)
EP 1151955 A1 20011107; **EP 1151955 A4 20030521**; **EP 1151955 B1 20070627**; CN 1231411 C 20051214; CN 1285498 C 20061122; CN 1334779 A 20020206; CN 1515483 A 20040728; DE 69935620 D1 20070503; DE 69935620 T2 20071206; DE 69936399 D1 20070809; DE 69936399 T2 20080228; DE 69942377 D1 20100624; EP 1378478 A2 20040107; EP 1378478 A3 20040121; EP 1378478 B1 20060830; EP 1378479 A2 20040107; EP 1378479 A3 20040121; EP 1378479 B1 20070321; EP 1801062 A1 20070627; EP 1801062 B1 20100512; JP 3489578 B2 20040119; KR 100473094 B1 20050308; KR 20020006515 A 20020119; WO 0142121 A1 20010614

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