

Title (en)  
ELEVATOR EQUIPMENT

Title (de)  
AUFZUGSEINRICHTUNG

Title (fr)  
EQUIPEMENT MONTE-CHARGE

Publication  
**EP 1586525 A4 20110223 (EN)**

Application  
**EP 03701840 A 20030123**

Priority  
JP 0300577 W 20030123

Abstract (en)  
[origin: EP1586525A1] In an elevator without a machine room having 1:1 roping, high speed and low noise can be attained. Moreover, components can be contained even in a small gap at a top of a hoist-way, while a maintenance space for a winding machine can be secured. Further, by applying a rope having excellent flexibility or a steel rope having a small diameter and high strength to a hoisting rope, a winding machine, a sheave and turning pulleys are constructed to be smaller in size, and the turning pulleys are arranged in parallel to a ceiling face of the hoist-way so that a height of the turning pulleys can be depressed to a small size. On the other hand, the turning pulleys which are not in parallel to the ceiling face of the hoist-way are arranged in a gap between a wall of the hoist-way and the cage so as to be free from restraint in size of a gap at the top of the hoist-way. Because of the above described functions, the invention can contribute to space saving. <IMAGE>

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

CPC (source: EP KR)  
**B66B 7/06** (2013.01 - KR); **B66B 11/008** (2013.01 - EP)

Citation (search report)  
• [YA] WO 0222486 A1 20020321 - MITSUBISHI ELECTRIC CORP [JP]  
• [YA] EP 1057771 A2 20001206 - MITSUBISHI ELECTRIC CORP [JP]  
• [A] US 2001009209 A1 20010726 - KOBAYASHI KIYOSHI [JP], et al  
• [A] JP H0570058 A 19930323 - HITACHI BUILDING SYST ENG  
• See references of WO 2004065275A1

Designated contracting state (EPC)  
DE FR NL

DOCDB simple family (publication)  
**EP 1586525 A1 20051019; EP 1586525 A4 20110223; EP 1586525 B1 20130102**; CN 100471781 C 20090325; CN 1642839 A 20050720; JP WO2004065275 A1 20060622; KR 100728419 B1 20070613; KR 20040093179 A 20041104; WO 2004065275 A1 20040805

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**EP 03701840 A 20030123**; CN 03807192 A 20030123; JP 0300577 W 20030123; JP 2004544187 A 20030123; KR 20047014989 A 20030123