

Title (en)  
ELEVATOR HOIST DEVICE

Title (de)  
AUFZUGSSEILVORRICHTUNG

Title (fr)  
DISPOSITIF DE TREUIL POUR ASCENSEUR

Publication  
**EP 2322464 A4 20141224 (EN)**

Application  
**EP 09805055 A 20090807**

Priority  
• JP 2009064028 W 20090807  
• JP 2008205092 A 20080808

Abstract (en)  
[origin: EP2322464A1] [Problem] A conventional hoist apparatus having a cantilever structure requires the use of a thick shaft of a larger shaft diameter when a sheave width and a sheave load are great. [Means for solution] An elevator hoist apparatus 1 Includes a stator 4 formed by attaching a stator core 3 to an internal periphery of a frame 2, a rotor 11 formed by supporting a shaft with a rotor core, rotatably, by first and second bearings 7, 8, on first and second brackets 9, 10 provided in the frame 2, and a sheave 12 mounted on a projecting end portion of the shaft 6 projecting to an outer side of the first bearing 7. The sheave 12 includes a wire rope wind-up surface 14 which is formed on an external peripheral side of the sheave 12 and which includes a plurality of wire rope grooves 13 arranged in a row. The sheave 12 further includes a bearing insertion portion 15 which is formed on an internal peripheral side of the wire rope wind-up surface 14 and which is arranged to receive the first bearing 7. The first bearing 7 is inserted in the bearing insertion portion 15.

IPC 8 full level  
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CPC (source: EP KR)  
**B66B 11/0438** (2013.01 - EP); **B66B 11/08** (2013.01 - KR)

Citation (search report)  
• [XY] EP 1845051 A1 20071017 - MITSUBISHI ELECTRIC CORP [JP]  
• [Y] US 4355785 A 19821026 - TOSATO LAWRENCE P, et al  
• [X] EP 1657207 A1 20060517 - MITSUBISHI ELECTRIC CORP [JP]  
• See references of WO 2010016573A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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