

Title (en)
ELEVATOR HOIST DEVICE

Title (de)
AUFZUGSSEILVORRICHTUNG

Title (fr)
DISPOSITIF DE TREUIL POUR ASCENSEUR

Publication
EP 2322464 A1 20110518 (EN)

Application
EP 09805055 A 20090807

Priority
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Abstract (en)
[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.

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