

Title (en)
Elevator traction machine

Title (de)
Treibscheibenantrieb für Aufzüge

Title (fr)
Entrainement à poulie pour ascenseur

Publication
EP 1394096 A1 20040303 (EN)

Application
EP 03023697 A 20000215

Priority
• EP 00102258 A 20000215
• JP 9758699 A 19990405

Abstract (en)
An elevator traction machine comprises: a base member (2); a rotating member (19) having a central portion facing to the base member and an open peripheral portion extended from the central portion; a sheave (20) rotating with the rotating member; a rope (12) wound on the sheave; a stator winding (18) provided on the interior circumferential surface of the base member; an armature (21) provided on the outer circumferential surface of the open peripheral portion of the rotating member at a position larger in diameter than the outer diameter of the sheave; the armature facing the stator winding, the armature and the stator constituting an electric motor; an encoder disposed on a main shaft for detecting the rotation of the sheave; wherein an outer dimension of the main shaft in an axis direction is shorter than the outer dimension of the traction machine in a direction perpendicular to the axis direction. <IMAGE>

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IPC 8 full level
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B66B 11/04 (2013.01 - KR); **B66B 11/0438** (2013.01 - EP); **B66D 5/08** (2013.01 - EP); **B66D 5/30** (2013.01 - EP)

Citation (search report)
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• [A] EP 0631966 A2 19950104 - KONE OY [FI]
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EP 1043261 A2 20001011; **EP 1043261 A3 20020717**; **EP 1043261 B1 20040107**; CN 1104371 C 20030402; CN 1269323 A 20001011;
DE 60007579 D1 20040212; DE 60007579 T2 20041125; DE 60031177 D1 20061116; DE 60031177 T2 20070823; EP 1394096 A1 20040303;
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