

Title (en)
Elevator traction machine

Title (de)
Treibscheibenantrieb für Aufzüge

Title (fr)
Entrainement à poulie pour ascenseur

Publication
EP 1394096 B1 20061004 (EN)

Application
EP 03023697 A 20000215

Priority
• EP 00102258 A 20000215
• JP 9758699 A 19990405

Abstract (en)
[origin: EP1043261A2] An elevator traction machine which can be readily installed within a narrow space. A main shaft is originated from a circularly-recessed base member whose one side is open. A circularly-recessed rotating member is provided within the base member in a fitting manner such that the bottom surface of the circularly-recessed rotating member opposes the bottom surface of the base member, and rotatively supported on the main shaft. A sheave is formed on the exterior circumferential surface of the circularly-recessed rotating member facing the bottom portion of the base member. A brake surface is formed on the interior circumferential surface of the edge of the circularly-recessed rotating member. A stator winding is provided on the interior circumferential surface of the base member in the vicinity of the opening edge. An armature is disposed on the outer circumferential surface of the circularly-recessed rotating member in the vicinity of the opening edge. A brake which opposes the brake surface and has brake pieces for applying brake force is disposed in an inner space of the circularly-recessed rotating member. Thus, the sheave is integrally formed with the circularly-recessed member having the armature provided thereon. Further, the brake is provided within the circularly-recessed member, rendering the traction machine compact. As a result, limitation imposed on installation of the elevator traction machine and a difficulty in performing maintenance on the elevator traction machine are eliminated. <IMAGE>

IPC 8 full level
B66B 11/04 (2006.01); **B66B 11/08** (2006.01); **B66D 1/12** (2006.01); **B66D 5/08** (2006.01); **B66D 5/30** (2006.01)

CPC (source: EP KR)
B66B 11/04 (2013.01 - KR); **B66B 11/0438** (2013.01 - EP); **B66D 5/08** (2013.01 - EP); **B66D 5/30** (2013.01 - EP)

Cited by
EP1790609A4; WO2011080390A1; WO2006097196A1

Designated contracting state (EPC)
DE FR NL

DOCDB simple family (publication)
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; EP 1394096 B1 20061004; JP 2000289954 A 20001017; JP 3537348 B2 20040614; KR 100396809 B1 20030902; KR 20000071529 A 20001125

DOCDB simple family (application)
EP 00102258 A 20000215; CN 00104945 A 20000329; DE 60007579 T 20000215; DE 60031177 T 20000215; EP 03023697 A 20000215; JP 9758699 A 19990405; KR 20000016823 A 20000331