

Title (en)

Elevator system having an improved hoisting machine

Title (de)

Aufzugssystem mit verbessertem Hebezeug

Title (fr)

Système d'ascenseur avec machinerie de levage améliorée

Publication

EP 1702879 B1 20100224 (EN)

Application

EP 06011836 A 20000707

Priority

- EP 00114098 A 20000707
- JP 24053899 A 19990826

Abstract (en)

[origin: EP1078876A2] In a hoisting machine of a elevator system, one side of a ring-shaped recessed base member is formed open. A shaft originates from the bottom portion of the base member at right angle within the base member. A support plate is provided so as to extend across the opening of the base member, and a brake is mounted on the support plate. A stator winding is provided along the interior surface of the base member in the vicinity of the opening. A ring-shaped recessed rotator is rotatably supported by a shaft with in the base member, and a driving sheave is formed in the outer periphery of the rotator in the vicinity of the bottom portion. Further, an armature is provided on the outer periphery of the rotator defining the open side thereof. A brake surface is formed along the internal peripheral surface of the rotator on the opposite side of the armature. The configuration prevents adherence of rope oil to the brake and the brake surface, which would otherwise be caused when the rope oil splashes from the main cable. The hoisting machine is provided at the ceiling in a hoistway and is capable of readily maintaining stable braking action of the hoisting machine. <IMAGE>

IPC 8 full level

B66B 7/00 (2006.01); **B66B 11/04** (2006.01); **B66B 11/00** (2006.01)

CPC (source: EP)

B66B 11/008 (2013.01); **B66B 11/0438** (2013.01)

Cited by

CN103345856A

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 1078876 A2 20010228; EP 1078876 A3 20050406; EP 1078876 B1 20061227; CN 100515904 C 20090722; CN 101486428 A 20090722; CN 101486428 B 20120328; CN 1226177 C 20051109; CN 1286210 A 20010307; CN 1749145 A 20060322; DE 00114098 T1 20050331; DE 60032547 D1 20070208; DE 60032547 T2 20071004; DE 60043755 D1 20100311; DE 60043906 D1 20100408; EP 1702878 A1 20060920; EP 1702878 B1 20100120; EP 1702879 A1 20060920; EP 1702879 B1 20100224; JP 2001063933 A 20010313; JP 4191333 B2 20081203; TW 503212 B 20020921

DOCDB simple family (application)

EP 00114098 A 20000707; CN 00122791 A 20000809; CN 200510106392 A 20000809; CN 200910003318 A 20000809; DE 00114098 T 20000707; DE 60032547 T 20000707; DE 60043755 T 20000707; DE 60043906 T 20000707; EP 06011835 A 20000707; EP 06011836 A 20000707; JP 24053899 A 19990826; TW 89112151 A 20000621