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 1078876 A2 20010228 (EN)

Application

EP 00114098 A 20000707

Priority

JP 24053899 A 19990826

Abstract (en)

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 1-7

B66B 11/04; B66B 11/00

IPC 8 full level

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

CPC (source: EP)

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

Cited by

EP1724228A4; EP1396457A4; EP1783089A4; EP1498380A4; EP2138441A4; US2012279805A1; US9260274B2; US7195107B2; WO2011072113A1

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