Title (en)

ELEVATOR CONTROL SYSTEM

Title (de)

AUFZUGSSTEUERSYSTEM

Title (fr)

SYSTEME DE COMMANDE D'ASCENSEUR

Publication

EP 1584597 A1 20051012 (EN)

Application

EP 02785990 A 20021129

Priority

JP 0212537 W 20021129

Abstract (en)

In an elevator including: an electric motor for rotating a sheave wounded with a main rope suspending an elevator car and a counterweight to move the electric car; a controller for driving the electric motor; an electromagnetic brake for stopping the elevator car to hold the elevator car in a stationary state; and an encoder for detecting rotation of the electric motor, when in a state in which after the elevator car is stopped at a certain hall, a door of the elevator car is opened to permit passengers to get on and off the elevator car, while the electromagnetic brake is in operation, a standstill holding force of the electromagnetic brake is insufficient to permit the elevator car to start a little movement, and thus an rotational angle of the electric motor is detected by the encoder, the controller controls the driving of the electric motor so as to generate a torque used to prevent the rotation of the electric motor. <IMAGE>

IPC 1-7

B66B 1/32; B66B 1/44; B66B 5/02

IPC 8 full level

B66B 1/32 (2006.01); **B66B 1/44** (2006.01); **B66B 5/02** (2006.01)

CPC (source: EP KR)

B66B 1/30 (2013.01 - EP); **B66B 1/32** (2013.01 - KR); **B66B 1/44** (2013.01 - KR); **B66B 5/02** (2013.01 - EP KR)

Citation (search report)

See references of WO 2004050523A1

Cited by

WO2013190342A1; CN104150292A; EA021716B1; CN103538986A; US2011175743A1; US8692679B2; CN104395215A; EP2864232A4; US8365873B2; US11498802B2; US9828211B2; US10099894B2; WO2010039735A1; WO2011033165A1; WO2022228657A1

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