Title (en)
BRAKE SYSTEM OF ELEVATOR

Title (de)
BREMSSYSTEM FÜR AUFZUG

Title (fr)
SYSTÈME DE FREINAGE D'UN ASCENSEUR

Publication
EP 2028150 A4 20130313 (EN)

Application
EP 06757346 A 20060615

Priority
JP 2006311998 W 20060615

Abstract (en)
[origin: EP2028150A1] A brake apparatus for an elevator includes a brake apparatus main body having a brake coil, and a discharge circuit connected in parallel to the brake coil. The brake apparatus main body serves to apply a braking force to a car by stopping the supply of electric power to the brake coil and release the braking force applied to the car by supplying electric power to the brake coil. The discharge circuit attenuates a current of the brake coil when the supply of electric power to the brake coil is stopped. In addition, the discharge circuit has a discharge parallel part that includes a resistor, and an overvoltage absorber which is connected in parallel to the resistor for maintaining a voltage impressed on the resistor within a predetermined range.

IPC 8 full level
B66B 1/32 (2006.01); **H01F 7/18** (2006.01)

CPC (source: EP KR)
B66B 1/32 (2013.01 - EP KR); **B66D 5/30** (2013.01 - EP); H01F 7/1811 (2013.01 - EP)

Citation (search report)
- [YD] JP 2003081543 A 20030319 - TOSHIBA ELEVATOR CO LTD
- [Y] JP H0969434 A 19970311 - FUJI ELECTRIC CO LTD
- [A] GB 2236365 A 19910403 - MITSUBISHI ELECTRIC CORP [JP]
- [A] JP 2001278572 A 20011010 - MITSUBISHI ELECTRIC CORP
- [A] US 4661883 A 19870428 - NISHIZAKO SHIZUTAKA [JP], et al
- See references of WO 2007144948A1

Cited by
WO2014086669A1; EP3153443A1; DE102015204400A1; WO2016091842A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 2028150 A1 20090225; **EP 2028150 A4 20130313**; CN 101360676 A 20090204; JP WO2007144948 A1 20091029; KR 100996057 B1 20101122; KR 20080089587 A 20081007; WO 2007144948 A1 20071221

DOCDB simple family (application)
EP 06757346 A 20060615; CN 200680051449 A 20060615; JP 2006311998 W 20060615; JP 2007521732 A 20060615; KR 20087016593 A 20060615