Title (en)

HYDRAULIC BRAKE SYSTEM

Title (de)

HYDRAULISCHES BREMSSYSTEM

Title (fr)

SYSTÈME DE FREINAGE HYDRAULIQUE

Publication

EP 2991924 B1 20170125 (DE)

Application

EP 14719770 A 20140428

Priority

- EP 13166054 A 20130430
- EP 2014058551 W 20140428
- EP 14719770 A 20140428

Abstract (en)

[origin: WO2014177494A1] A braking system (2) is used for a passenger transport installation (1) in the form of a lift, escalator or moving walkway. A braking device (5) comprising actuation equipment (7) is provided in this respect. Also provided are a pump (16) supplying a brake fluid to the piston space (11) of the actuation equipment (7) and a motor (15) which drives the pump (16). According to the invention, a control device (14) is also provided, which controls the motor (15) by way of a frequency inverter (19) in such a manner that the pump (16) supplies brake fluid at a delivery flow rate (QP) predetermined by the control device (14). A return flow rate (QL) is also made possible, wherein a pressure (pB) is set in the piston space (11) of the actuation equipment (7) corresponding to an equilibrium in which the delivery flow rate (Qp) is equal to the return flow rate (QL). The control device (14) sets the pressure (pB) in the piston space (11) of the actuation equipment (7) by way of the delivery flow rate (QP) of the pump (16). The invention also relates to a passenger transport installation (1) in the form of a lift, escalator or moving walkway having a braking system of this kind and to a method for controlling the braking force in a passenger transport installation (1) of this kind.

IPC 8 full level

B66B 5/18 (2006.01)

CPC (source: EP US)

B66B 5/18 (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014177494 A1 20141106; AU 2014261513 A1 20151119; AU 2014261513 B2 20170302; CA 2908798 A1 20141106; CN 105164040 A 20151216; CN 105164040 B 20171212; EP 2991924 A1 20160309; EP 2991924 B1 20170125; HK 1215943 A1 20160930; US 2016152441 A1 20160602

DOCDB simple family (application)

EP 2014058551 W 20140428; AU 2014261513 A 20140428; CA 2908798 A 20140428; CN 201480024249 A 20140428; EP 14719770 A 20140428; HK 16103902 A 20160406; US 201414888105 A 20140428