

Title (en)  
HYDRAULIC BRAKE SYSTEM

Title (de)  
HYDRAULISCHES BREMSYSTEM

Title (fr)  
SYSTÈME DE FREINAGE HYDRAULIQUE

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Application  
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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.

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