Method for Exchanging a Component in a Passenger Transport System and Device to be Used in Said Method

Description

The present invention pertains to a method for exchanging a component in a passenger transport system. The invention also pertains to a method for monitoring current physical properties of a passenger transport system. The invention furthermore pertains to a device and a computer program product, which particularly can be used in the course of carrying out the inventive method, as well as to machine-readable medium for storing the computer program product.

Passenger transport systems such as elevators, escalators or moving walkways serve for transporting persons within a building. A passenger transport system consists of a plurality of components. Each of the components has characteristic physical properties. In this case, the components interact with one another and/or adjacent components may be fastened on one another. The physical properties of all components, as well as the manner in which these components interact, generally define the physical properties of the entire passenger transport system.

The physical properties of a passenger transport system can change over time, for example, due to wear on the components. This can affect the operation of the passenger transport system and even lead to defects or malfunctions.

Until now, a current state of a passenger transport system, which is defined by the physical properties, had to be monitored within certain time intervals in order to detect excessive wear or the like in a timely manner and to allow corresponding servicing of the passenger transport system. In most instances, this was usually realized in that a technician inspected the passenger transport system on site. It was alternatively or additionally possible to provide technical precautions such as sensors on the passenger transport system, wherein said sensors made it possible, for example, to monitor a current state of the passenger transport system from a remote monitoring center.