

Abstract

The invention relates to a passenger transport system (1) and to a method for modernizing an existing passenger transport system. The passenger transport system has multiple step units (17), a comb plate (27), a monitoring device (49), and a marking device (45). The step units are to be moved one behind the other continuously along a predefined movement path (29) during normal operation. The comb plate is arranged at a fixed position relative to the predefined movement path. The monitoring device is designed to monitor an actual position of a currently monitored step unit relative to the predefined movement path and to detect a deviation of the actual position from the predefined movement path by more than an allowable tolerance value and activate the marking device in response thereto. Upon being activated, the marking device is designed to provide the currently monitored step unit and/or a step unit spatially correlating to the currently monitored step unit in a defined manner with a marking (57). In this manner, collisions between a step unit and the comb plate can be prevented, and step units at risk of a collision can be quickly and easily detected by maintenance personnel using the marking attached to the units by the marking device.

(Fig. 3)