ABSTRACT

The invention relates to an elevator system with at least one shaft, in which at least two cars can be made to travel along a common traveling path, and also with a shaft information system for determining the positions and speeds of the cars, which is connected to an electrical safety device. In order to develop the elevator system in such a way that a high handling capacity can be achieved with constructionally simple means, while reliably preventing car collisions, it is proposed according to the invention that an emergency stop of at least one car is triggerable independently of the control units by means of the safety device if the distance between a first car and a second car or an end of the traveling path goes below a preselectable critical distance, and that the safety gear of at least one car is triggerable if the distance which this car assumes from the neighboring car or an end of the traveling path goes below a preselected minimum distance, the control units of at least all the cars of one traveling path being connected to one another and altogether forming a group control device.