

Title (en)
ELEVATOR SYSTEM

Title (de)
AUFZUGANLAGE

Title (fr)
INSTALLATION D'ÉLEVATEUR

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Application
EP 11726448 A 20110621

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Abstract (en)
[origin: WO2011161104A1] The invention relates to an elevator system, comprising a shaft (12) in which at least two elevator cars (14, 16) are disposed on top of each other and can be moved up and down separately from each other, wherein each elevator car is associated with a drive device (23, 33) for moving the elevator car and a brake unit (55, 57) is disposed on each elevator car, and further comprising a safety unit (53) for monitoring the operating behavior of the elevator cars, and comprising at least one travel limiting unit, which comprises at least one stop element (54, 56) disposed on an elevator car and a retaining element (60, 64) that cooperates with said stop element and is disposed in the shaft, so as to limit the travel of the elevator car. In order to increase the transport capacity, according to the invention at least one stop element (54, 56) is disposed on at least a first elevator car (14, 16), said stop element laterally protruding from the vertical projection of the elevator car in a stop position and cooperating with a defined retaining element (60, 64), which is associated with said stop element and is disposed outside of the vertical projection of all elevator cars and which all other elevator cars moving in the shaft can pass without obstruction, and the brake unit (55, 57) disposed on the respective elevator car, or the braking action of said unit, can be deactivated when the elevator car drops below a predefined limit speed, wherein the elevator car can be decelerated to a standstill by means of the stop and retaining elements at speeds up to no more than the limit speed.

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