

Abstract

The invention relates to an elevator system (10) comprising a first elevator car (14) and a second elevator car (16), which elevator cars can be moved in the vertical direction in a first elevator shaft (12). Said elevator system additionally has an inherently closed carrying means (26) which is routed around a lower deflection roller (28) and an upper deflection roller (30), a drive machine (34) which is associated with the carrying means (26), an actuable coupling device which is arranged on the first elevator car (14) and an actuable coupling device which is arranged on the second elevator car (16). The carrying means (26) has a first and a second coupling element (44) to and from which a coupling device of an elevator car (14, 16) can be coupled and decoupled, as a result of which a drive connection between the respective elevator car (14, 16) and the carrying means (26) can be established and released. A coupled elevator car (14, 16) can therefore be moved in the first elevator shaft (12) by means of the carrying means (26) which can be driven by the respective drive machine (34). The two coupling elements (44) of the carrying means (26) are arranged such that, in the event of a movement of the first elevator car (14), which is coupled to the carrying means (26) by means of a coupling element (44), from a lower end position (18) to an upper end position (22) or vice versa, no coupling element (44) of the carrying means (26) is routed around a deflection roller (28, 30).

(Fig. 1)