

**Elevator Installation with Individually Movable Elevator Cars and Method for
Operating such an Elevator Installation**

Abstract

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Elevator installation (20) with a vertical elevator
hoistway (11.1) and a plurality of elevator cars (16.1 -
16.8) which are individually vertically movable in the
elevator hoistway (11.1). An elevator control system is
10 provided which is so designed that at least two of the
elevator cars (16.5, 16.6) can be readied in the elevator
hoistway (11.1) in the area of two mutually adjacent
entrance areas (13.1, 13.2). By this means, simultaneous
loading/unloading of the elevator cars (16.5, 16.6) via the
15 entrance areas (13.1, 13.2) is made possible. The first two
elevator cars (16.5) then travel to a first destination
floor, and the second of the elevator cars (16.6) to a
second destination floor, the first elevator car (16.5)
traveling a distance which is at least as great as that
20 traveled by the second elevator car (16.6).

(Fig. 1)