

ABSTRACT OF THE DISCLOSURE

An elevator door system including a landing door, a car door provided on a car, a latch device for locking the landing door when the landing door is closed. The elevator door system also includes a door locking device provided on the landing door composed of a coupling plate for coupling with the car door, an unlocking plate provided in parallel with the coupling plate, and a link for moving the unlocking plate toward the coupling plate. The elevator door system further includes a first linking mechanism for linking the door locking device with the latch device, and a coupling device provided on the car door composed of a pair of coupling rollers for coupling the car door with the landing door. One of the coupling rollers pushes the unlocking plate toward the coupling plate when the car lands the landing floor. A displacement of the unlocking plate caused by being pushed toward the coupling plate by the link is applied to the latch device. The latch device unlocks the landing door when the displacement of the unlocking plate is applied. The coupling device couples the car door with the landing door by pushing the door locking device when the car lands the landing floor and after the landing door is unlocked, and then the car door and the landing door are moved in one unit.

