

Title (en)

DOOR DEVICE AND METHOD FOR OPERATING A DOOR DEVICE

Title (de)

TÜRVORRICHTUNG UND VERFAHREN ZUM BETRIEB EINER TÜRVORRICHTUNG

Title (fr)

DISPOSITIF PORTE ET PROCÉDÉ DE FONCTIONNEMENT D'UN DISPOSITIF PORTE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2017118699A1] The invention relates to a door device (1) for a vehicle (100), in particular for transporting passengers. However, such door devices do not provide a satisfying result in the event of high pressure surges. The aim of the invention is to provide a door device for a vehicle, said door device having a simple and robust design while simultaneously allowing a sufficient pressure sealing of the vehicle. The proposed door device comprises a door frame (2), a first door leaf (20), and a second door leaf (30). Each door leaf is arranged in a movable manner relative to the door frame. In a closed state of the door device, the first door leaf forms a first door sealing surface (21) which runs at least partly parallel to the door opening plane (3). In a corresponding manner, the second door leaf likewise forms a second door sealing surface (31) which runs at least partly parallel to the door opening plane, said second door sealing surface interacting with the first door sealing surface for sealing purposes. For this purpose, the first door leaf and the second door leaf are designed with respect to their geometrical design and closing or opening kinematics such that when the door device is closed, the first door sealing surface is at least partly overlapped by the second door sealing surface from the outside. Furthermore, the closing or opening kinematics and geometry of the door leaves are selected such that the second door sealing surface can be lifted from the first door sealing surface at least partly perpendicularly to the door opening plane in the course of a stroke movement of the second door leaf when opening the door device.

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