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Risch

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(54) **DEVICE FOR LIMITING THE DEFLECTION ON A DOOR ARRANGED IN A FUSELAGE CELL OF AN AIRCRAFT**

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B64C 1/14 (2006.01)

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(58) **Field of Classification Search**
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(57) **ABSTRACT**

The invention relates to a device for limiting the deflection of a door (1), particularly a hatch or a freight door, arranged in a fuselage cell (3) of an aircraft, having at least one holding element (5) arranged preferably in the region of a door jamb (4) or in the region of a door leaf edge (7).

In order to ensure deflection limitation for doors, hatches and freight doors in aircraft which can be triggered manually independently of an actuation of the normal locking system, it is proposed according to the invention that the at least one holding element (5) can, if there is a sufficient pressure difference Δp between the internal pressure p_i prevailing in the fuselage cell (3) and the outside air pressure p_a prevailing outside of the fuselage cell (3), be brought into engagement with at least one abutment (6) arranged in the region of the door leaf edge (7) or the door jamb (4).

In addition it is proposed that if there is a sufficiently large pressure difference Δp the at least one holding element (30, 55) is automatically pivoted or can be manually pivoted and can hereby be brought into engagement with the at least one abutment (31, 52).

7 Claims, 6 Drawing Sheets

