

Title (en)

DOOR HAVING A FALL PROTECTION MECHANISM AND METHOD FOR TRIGGERING THE FALL PROTECTION MECHANISM

Title (de)

TOR MIT EINER ABSTURZSICHERUNG UND VERFAHREN ZUM AUSLÖSEN DER ABSTURZSICHERUNG

Title (fr)

PORTE À SÉCURITÉ ANTICHUTE ET PROCÉDÉ POUR DÉCLENCHER LA SÉCURITÉ ANTICHUTE

Publication

**EP 3555409 B1 20230222 (DE)**

Application

**EP 17835467 A 20171215**

Priority

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Abstract (en)

[origin: WO2018109191A1] The invention relates to a door having a fall protection mechanism, comprising a door leaf (10) which can be opened and closed via the rotation of a door leaf drive (5), a motor (3) which is coupled to the door leaf drive, and a braking device (7) by means of which the opening and/or closing of the door leaf can be delayed, as well as a first measuring device (6) for determining at least one movement parameter of the door leaf. In order to improve a door of this type such that a falling of the door can be reliably detected, and likewise a braking device is reliably triggered, which quickly brakes the door and thereby prevents damage to the door, according to the invention, a second measuring device (1) is provided for determining at least one movement parameter of the motor, and a comparator (9) which compares the measured movement parameters of the door leaf and of the motor and triggers the braking device, if the measured movement parameter of the door leaf and of the motor fall outside of a defined ratio to one another.

IPC 8 full level

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Citation (examination)

- US 5551535 A 19960903 - KROLO MIRKO [DE], et al
- JP 2008291546 A 20081204 - SANWA SHUTTER CORP

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