

Title (en)

METHOD FOR OPERATING AN INDUSTRIAL DOOR WITH A FORCE DETECTION DEVICE

Title (de)

VERFAHREN ZUM BETREIBEN EINES INDUSTRIETORES MIT KRAFTERKENNUNGSEINRICHTUNG

Title (fr)

PROCÉDÉ D'ENTRAÎNEMENT DE PORTE INDUSTRIELLE AVEC DISPOSITIF DE DÉTECTION DE FORCE

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Application

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Abstract (en)

[origin: WO2015078453A1] The invention relates to a device which is used to detect the force applied by the drive (2) during the movement of industrial doors (1), wherein a force-detecting component (16) that determines a force curve (15) for each run of the industrial door (1) is associated with the door controller (4) or with the drive (2). Said force curves (15, 22) are stored in a memory (17) and can be used for comparison with the subsequent force curve (18, 23) in order to thus detect possible hazardous situations and to switch the drive accordingly. The force-detecting component (16) then ensures that, in the case of upward movement initiated by the push-button switch (10) and occurring divergences between the force curves (15, 18), the industrial door (1) is stopped, while in the case of downward movement initiated by the push-button switch (11, 25), downward movement can be performed anew from the upper end position, to which the industrial door is automatically reversed. If a divergence of the force curves then occurs again, a new force curve can be determined anew by means of the push-button switch (11, 25), which is then connected in a dead-man's circuit. The new force curve is then the starting point of the further operation of such an industrial door (1).

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