Title (en)

DOCK LEVELER AND APPARATUS, METHODS, COMPUTER PROGRAM PRODUCT, SAFETY ARRANGEMENT AND CONTROL UNIT THEREFOR

Title (de)

LADEBRÜCKENNIVELLIERER UND VORRICHTUNG, VERFAHREN, COMPUTERPROGRAMMPRODUKT, SICHERHEITSANORDNUNG UND STEUEREINHEIT DAFÜR

Title (fr)

NIVELEUR DE QUAI ET APPAREIL, PROCÉDÉS, PRODUIT-PROGRAMME INFORMATIQUE, AGENCEMENT DE SÉCURITÉ ET UNITÉ DE COMMANDE ASSOCIÉS

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Abstract (en)

[origin: WO2020157025A2] The present invention disclose a dock leveller (200) comprising a platform (210), at least one lift cylinder (220) connected to the platform and arranged to move/rotate the platform and comprising an electrically controllable valve (230) and a safety arrangement (100). The safety arrangement (100) comprises a sensor (110). The sensor (110) is configured to sense at least one of: platform fall speed, platform fall time, angle of rotation of the platform (210), angular platform velocity, angular platform acceleration and travel length of the front edge (212) of the platform (210). Furthermore, the safety arrangement (100) comprises a control unit (120). The control unit (120) is operatively connected to the sensor (110) and the valve (230). The control unit (120) is configured to provide a control signal (124) to control the valve (230) to stop or reduce a movement of the platform (210) upon receiving a sensor signal (114), from the sensor (110), the sensor signal (114) being indicative of a higher value than a threshold value. Corresponding safety arrangement, control unit, apparatus, computer program product and methods are also disclosed.

IPC 8 full level

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US 2016012707 A1 20160114 - MCKINLEY W MICHAEL [US], et al

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