

Title (en)

MONITORING OF MOVING HANDRAILS FOR PASSENGER CONVEYORS

Title (de)

ÜBERWACHUNG VON BEWEGLICHEN HANDLÄUFEN FÜR EIN PASSAGIERFÖRDERER

Title (fr)

SURVEILLANCE DE MAIN COURANTE POUR CONVOYEURS DE PASSAGERS

Publication

EP 3825272 A1 20210526 (EN)

Application

EP 19211344 A 20191125

Priority

EP 19211344 A 20191125

Abstract (en)

A moving handrail monitoring system (60) for a passenger conveyor (10) comprises at least one magnetic sensor (62) provided adjacent to a moving handrail (22) of the passenger conveyor (10), wherein the or each magnetic sensor (62) is configured to detect a change in magnetic flux resulting from motion of the moving handrail (22) and provide an output signal. A controller (64) is coupled to the or each magnetic sensor (62). The controller (64) is configured to: receive the output signal from the magnetic sensor (62), determine a change in a distance (X) between a surface (25) of the handrail (22) and the magnetic sensor (62) based on the variation in the output signal from the magnetic sensor (62); and calculate a handrail tension based on the change in distance (X).

IPC 8 full level

B66B 25/00 (2006.01)

CPC (source: CN EP)

B66B 25/003 (2013.01 - CN); **B66B 25/006** (2013.01 - CN EP); **B66B 27/00** (2013.01 - CN)

Citation (search report)

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- [A] JP 2015160724 A 20150907 - MITSUBISHI ELECTRIC CORP
- [A] JP 2017171485 A 20170928 - HITACHI BUILDING SYST CO LTD
- [A] JP 2012121691 A 20120628 - MITSUBISHI ELEC BUILDING TECHN

Designated contracting state (EPC)

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Designated extension state (EPC)

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