

Title (en)
METHOD AND APPARATUS FOR MONITORING A STATE OF A PASSENGER TRANSPORT SYSTEM BY USING A DIGITAL DOUBLE

Title (de)
VERFAHREN UND VORRICHTUNG ZUM ÜBERWACHEN EINES ZUSTANDS EINER PERSONENTRANSPORTANLAGE DURCH VERWENDEN EINES DIGITALEN DOPPELGÄNGERS

Title (fr)
PROCÉDÉ ET DISPOSITIF DE SURVEILLANCE D'UN ÉTAT D'UN ÉQUIPEMENT DE TRANSPORT DE PERSONNES FAISANT APPEL À UN SOSIE NUMÉRIQUE

Publication
EP 3724119 A1 20201021 (DE)

Application
EP 18811577 A 20181207

Priority
• EP 17207385 A 20171214
• EP 2018083937 W 20181207

Abstract (en)
[origin: WO2019115378A1] A method and an apparatus (87) for monitoring a state of a passenger transport system (1) such as e.g. an escalator (3) are described. The method comprises monitoring the state of the passenger transport system (1) by using an updated digital data record double that reproduces characterising properties of components (11) of the passenger transport system (1) in an actual configuration of the passenger transport system (1) in a machine-processable manner after assembly and installation thereof in a building. The updated digital data record double can be obtained e.g. by accurately surveying the passenger transport system (1) after production thereof and using signal values from sensors (81) included in the passenger transport system (1) and can allow inferences as to the present or future state of the passenger transport system (1), based on which for example maintenance measures can be planned efficiently and according to the situation.

IPC 8 full level
B66B 25/00 (2006.01); **B66B 5/00** (2006.01)

CPC (source: EP KR RU US)
B66B 5/0025 (2013.01 - EP KR US); **B66B 5/0087** (2013.01 - EP KR); **B66B 25/00** (2013.01 - RU); **B66B 25/006** (2013.01 - EP KR US); **B66B 5/0087** (2013.01 - US); **B66B 25/00** (2013.01 - US)

Citation (search report)
See references of WO 2019115378A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019115378 A1 20190620; AU 2018385222 A1 20200611; AU 2018385222 B2 20220428; BR 112020008866 A2 20201020; CA 3081454 A1 20190620; CL 2020001583 A1 20201106; CN 111511668 A 20200807; CN 111511668 B 20220517; EP 3724119 A1 20201021; EP 3724119 B1 20221005; ES 2932083 T3 20230111; KR 102608492 B1 20231130; KR 20200095489 A 20200810; MX 2020006175 A 20200903; RU 2020118002 A 20211201; RU 2020118002 A3 20220110; RU 2770721 C2 20220421; SG 11202004367V A 20200629; US 11577937 B2 20230214; US 2021078834 A1 20210318

DOCDB simple family (application)
EP 2018083937 W 20181207; AU 2018385222 A 20181207; BR 112020008866 A 20181207; CA 3081454 A 20181207; CL 2020001583 A 20200612; CN 201880080925 A 20181207; EP 18811577 A 20181207; ES 18811577 T 20181207; KR 20207016717 A 20181207; MX 2020006175 A 20181207; RU 2020118002 A 20181207; SG 11202004367V A 20181207; US 201816772061 A 20181207