

Title (en)

ANOMALY DETECTION DURING OPERATION OF A CONVEYING SYSTEM

Title (de)

ANOMALIEDETEKTION BEIM BETRIEB EINES FÖRDERSYSTEMS

Title (fr)

DÉTECTION D'ANOMALIE PENDANT LE FONCTIONNEMENT D'UN SYSTÈME DE TRANSPORT

Publication

EP 4285194 A1 20231206 (EN)

Application

EP 21843945 A 20211221

Priority

- EP 21154209 A 20210129
- EP 2021086982 W 20211221

Abstract (en)

[origin: EP4036678A1] Preventative maintenance of conveying systems 2 is desirable but labor intensive with the existing methods that are only applicable to small systems 2. Disclosed is a method for anomaly detection during operation of a conveying system 2 formed of at least one carrier 4s, comprising a sensor unit 26, running on a conveyer track 6. The sensor unit registers measurements of the conveying system 2 while the carrier 4s runs on the conveyer track 6. The position of the carrier 4s is continuously determined. The conveyer track 6 is divided into sections. The measured data are allocated to a specific section based on the position determination and are then subjected to an analysis for each section separately. Deviations in the analyzed data are detected as an anomaly and signaled by a message indicating the position.

IPC 8 full level

G05B 23/02 (2006.01)

CPC (source: EP)

G05B 23/0224 (2013.01)

Citation (search report)

See references of WO 2022161708A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4036678 A1 20220803; EP 4285194 A1 20231206; WO 2022161708 A1 20220804

DOCDB simple family (application)

EP 21154209 A 20210129; EP 2021086982 W 20211221; EP 21843945 A 20211221