

Title (en)

METHOD FOR MONITORING A BELT OF A BELT DRIVE

Title (de)

VERFAHREN ZUM ÜBERWACHEN EINES RIEMENS EINES RIEMENTRIEBS

Title (fr)

PROCÉDÉ DE SURVEILLANCE D'UNE COURROIE D'UN ENTRAÎNEMENT PAR COURROIE

Publication

EP 4363357 A1 20240508 (DE)

Application

EP 22723026 A 20220502

Priority

- DE 102021206823 A 20210630
- DE 2022200083 W 20220502

Abstract (en)

[origin: WO2023274457A1] The present invention relates to a method for monitoring a belt (10) of a belt drive (1), comprising at least the following steps: • detecting a detectable element (11) of the belt (10) during a revolving movement, • determining a first time of detection of the detectable element (11), • detecting the detectable element (11) of the belt (10) again during a subsequent revolution, preferably the immediately subsequent revolution, of the revolving movement, • determining a second time of detection of the detectable element (11), and • determining the speed of the detectable element (11) by calculating a time difference between the first time and the second time and by dividing the corresponding, preferably basic, length of the closed belt (10) by the time difference.

IPC 8 full level

B65G 43/02 (2006.01); **G01M 13/023** (2019.01)

CPC (source: EP)

B65G 43/02 (2013.01); **G01M 13/023** (2013.01)

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)

DE 102021206823 A1 20230105; EP 4363357 A1 20240508; WO 2023274457 A1 20230105

DOCDB simple family (application)

DE 102021206823 A 20210630; DE 2022200083 W 20220502; EP 22723026 A 20220502