Title (en)

A FILM REWINDER MACHINE COMPRISING A MISALIGNMENT DETECTOR AND MISALIGNMENT DETECTION METHOD IN A FILM REWINDER MACHINE

Title (de)

FILMAUFWICKLER-MASCHINE MIT EINEM FEHLERAUSRICHTUNGSDETEKTOR UND EIN FEHLAUSRICHTUNGS-ERKENNUNGSVERFAHREN IN EINER FILMAUFWICKLER-MASCHINE

Title (fr)

MACHINE DE REBOBINAGE DE FILM AVEC UN DETECTEUR DE DEFAUT D'ALIGNEMENT ET PROCEDE DE DETECTION DE DEFAUT D'ALIGNEMENT DANS UNE MACHINE DE REBOBINAGE DE FILM

Publication

EP 4086211 B1 20230823 (EN)

Application

EP 21382401 A 20210504

Priority

EP 21382401 A 20210504

Abstract (en)

[origin: EP4086211A1] Film rewinder machine with misalignment detector comprising a rewinder station (10), connected to a conveyance path (3) of a film band (1), including at least one rewinder shaft (11a, 11b) configured to support and rotate at least one core to wind said at least one film band (1) around the core forming a roll (4); wherein the machine further comprises at least one laser telemeter (20) configured to be placed in a measurement position and to project a laser beam directed towards the at least one rewinder shaft in a plane perpendicular to the at least one rewinder shaft, at an offset distance in a transversal direction over at least one predefined edge position, the laser telemeter (20) being configured to detect any edge misalignment in the transversal direction (TD) equal to or bigger than said offset distance.

IPC 8 full level

B65H 23/02 (2006.01)

CPC (source: EP)

B65H 23/0204 (2013.01); B65H 2301/41486 (2013.01); B65H 2553/40 (2013.01); B65H 2557/51 (2013.01); B65H 2701/1315 (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

DOCDB simple family (publication)

EP 4086211 A1 20221109; **EP 4086211 B1 20230823**; CA 3157171 A1 20221104; ES 2965263 T3 20240411

DOCDB simple family (application)

EP 21382401 A 20210504; CA 3157171 A 20220502; ES 21382401 T 20210504