

Title (en)
DANCER CALIBRATION AND CONTROL DEVICE

Title (de)
TÄNZER-KALIBRIERUNGS- UND STEUERGERÄT

Title (fr)
DISPOSITIF DE CALIBRAGE ET DE CONTROLE D'UN COMPENSATEUR

Publication
EP 3858772 A1 20210804 (EN)

Application
EP 21152065 A 20210118

Priority
JP 2020011869 A 20200128

Abstract (en)
A technology to reduce a load of a calibration work of a dancer mechanism (36) is provided. A control device (11) is a control device of a roll-to-roll transfer system including a dancer roller (70) that applies tension to a web (4), and a sensor (76) that detects a position of the dancer roller (70). The control device (11) includes a display control unit (102) that displays, on a predetermined display unit, a screen including a first button for storing a detection value of the sensor (76) as a first detection value indicating that the dancer roller (70) is at a first position, and a second button for storing a detection value of the sensor (76) as a second detection value indicating that the dancer roller (70) is at a second position; and a dancer position identifying unit (108) that identifies a position of the dancer roller (70) indicated by the detection value of the sensor (76) using the first detection value and the second detection value.

IPC 8 full level
B65H 23/04 (2006.01); **B65H 23/16** (2006.01)

CPC (source: CN EP KR)
B65H 23/048 (2013.01 - EP KR); **B65H 23/16** (2013.01 - EP); **B65H 23/188** (2013.01 - CN); **B65H 23/26** (2013.01 - CN); **B65H 2407/20** (2013.01 - EP); **B65H 2511/22** (2013.01 - EP); **B65H 2551/18** (2013.01 - EP); **B65H 2551/29** (2013.01 - KR); **B65H 2553/80** (2013.01 - KR); **B65H 2557/61** (2013.01 - EP KR); **B65H 2701/19** (2013.01 - CN)

Citation (applicant)
JP 2013173598 A 20130905 - SUMITOMO HEAVY INDUSTRIES

Citation (search report)
• [A] JP H0286534 A 19900327 - HITACHI SEIKO KK
• [A] JP 2016074510 A 20160512 - YOKOHAMA RUBBER CO LTD
• [A] JP S6133452 A 19860217 - KATAOKA KIKAI SEISAKUSHO KK
• [A] JP S6392563 A 19880423 - NIRECO CORP
• [A] EP 3590877 A1 20200108 - OCE HOLDING BV [NL]
• [A] US 3093336 A 19630611 - CAULFIELD JOSEPH R, et al

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)
EP 3858772 A1 20210804; **EP 3858772 B1 20230308**; CN 113247673 A 20210813; CN 113247673 B 20230421; JP 2021116178 A 20210810; JP 7451191 B2 20240318; KR 102464549 B1 20221107; KR 20210096560 A 20210805; TW 202128544 A 20210801; TW I740770 B 20210921

DOCDB simple family (application)
EP 21152065 A 20210118; CN 202110049414 A 20210114; JP 2020011869 A 20200128; KR 20210003793 A 20210112; TW 110101891 A 20210119