

Title (en)

METHOD AND SYSTEM FOR ADJUSTING TENSION DURING WINDING FOR A MACHINE WITH A WINDING STATION

Title (de)

VERFAHREN UND SYSTEM ZUR EINSTELLUNG DER SPANNUNG BEIM AUFWICKELN FÜR EINE MASCHINE MIT EINER WICKELSTATION

Title (fr)

PROCÉDÉ ET SYSTÈME D'AJUSTEMENT DE LA TENSION DE REMBOBINAGE POUR UNE MACHINE COMPRENANT UNE UNITÉ DE REMBOBINAGE

Publication

**EP 2905246 A1 20150812 (EN)**

Application

**EP 13845624 A 20130927**

Priority

- ES 201200985 A 20121008
- ES 2013000213 W 20130927

Abstract (en)

The method is applicable to a rewinding station comprising a first mandrel (1) and a second mandrel (2) associated with respective first and second motors for rotating in the same direction so that a web (L) wound around the first mandrel (1) is unwound from same and rewound on the second mandrel (2) with an amount of tension that can be adjusted by the adjustment method which comprises controlling the speed of the second motor. Said method is a sensor-less open-loop adjustment method and comprises performing speed control on the second motor with rotational torque limited to calculated values. The adjustment system, the computer program and the machine are suitable for implementing the method of the invention.

IPC 8 full level

**B65H 18/10** (2006.01); **B65H 23/06** (2006.01); **B65H 23/18** (2006.01); **B65H 23/188** (2006.01); **B65H 23/195** (2006.01)

CPC (source: EP ES)

**B65H 18/103** (2013.01 - ES); **B65H 23/063** (2013.01 - ES); **B65H 23/1806** (2013.01 - EP); **B65H 23/1888** (2013.01 - EP); **B65H 23/1955** (2013.01 - EP); **B65H 2513/10** (2013.01 - EP); **B65H 2513/23** (2022.08 - EP); **B65H 2515/10** (2013.01 - EP); **B65H 2515/32** (2013.01 - EP); **B65H 2557/24** (2013.01 - EP); **B65H 2557/26** (2013.01 - EP)

C-Set (source: EP)

1. **B65H 2513/10** + **B65H 2220/02**
2. **B65H 2515/32** + **B65H 2220/01**
3. **B65H 2513/23** + **B65H 2220/01**
4. **B65H 2515/10** + **B65H 2220/01**

Cited by

CN105253677A; WO2017108472A1

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 2905246 A1 20150812**; **EP 2905246 A4 20160629**; **EP 2905246 B1 20180228**; ES 2482390 A1 20140801; ES 2482390 B1 20150512; ES 2669753 T3 20180529; WO 2014057142 A1 20140417

DOCDB simple family (application)

**EP 13845624 A 20130927**; ES 13845624 T 20130927; ES 201200985 A 20121008; ES 2013000213 W 20130927