

Title (en)

A METHOD TO POSITION SPINDLE PRECISELY IN TURRET TYPE AUTOMATIC WINDER

Title (de)

VERFAHREN ZUM PRÄZISEN POSITIONIEREN EINER SPINDEL IN EINEM AUTOMATISCHEN WENDEWICKLER

Title (fr)

PROCÉDÉ PERMETTANT DE POSITIONNER PRÉCISÉMENT UNE BROCHE DANS UN ENROULEUR AUTOMATIQUE DE TYPE À TOURELLE

Publication

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Application

**EP 19908167 A 20191227**

Priority

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Abstract (en)

[origin: WO2020144530A1] The invention relates to an automatic turret type yarn winding device. The invention provides a device and a method to position spindle precisely in turret type automatic winder, during the bobbin changeover. It involves, during the bobbin changeover process, the step of rotating the turret in at least two discrete rotational movements carried out at controlled speeds, whereby the empty bobbin assumes its accurate winding position. In an important inventive aspect of the invention, the turret rotation is controlled by sensing the current in the motors controlling the spindles. The present invention also discloses a system to control motions of the turret and the spindles. It comprises a first control system (10) to control the rotational motion of the turret and a second control system (11) to control the rotational motion of the spindle. It also comprises a master control system (12) which controls both systems (10, 11) and receives signal/information from and sends command to the two control systems (10, 11).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [AD] WO 2017093950 A1 20170608 - LOHIA SIDDHARTH [IN]
- See references of WO 2020144530A1

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