

Title (en)
DEVICE FOR HANDLING A BOBBIN, A METHOD FOR TRANSPORTING A BOBBIN, A SERVICE ROBOT OF A RING SPINNING MACHINE AND A RING SPINNING MACHINE

Title (de)
VORRICHTUNG ZUM HANDHABEN EINER SPULE, VERFAHREN ZUM TRANSPORTIEREN EINER SPULE, SERVICEROBOTER EINER RINGSPINNMASCHINE UND RINGSPINNMASCHINE

Title (fr)
DISPOSITIF DE MANIPULATION D'UNE BOBINE, PROCÉDÉ DE TRANSPORT D'UNE BOBINE, ROBOT DE SERVICE D'UNE MACHINE À FILER À ANNEAUX ET MACHINE À FILER À ANNEAUX

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Application
EP 19152785 A 20190121

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CZ 201847 A 20180131

Abstract (en)
[origin: EP3521489A1] The invention relates to a bobbin handling device for transporting a bobbin from a spindle of a spinning station of a ring spinning machine to yarn end (4) searching position, the device being displaceable between a resting position, a clamping position for clamping the bobbin at the spinning station and the yarn end (4) searching position. The handling device comprises a supporting part (6), which is coupled to a drive for vertical reversible linear motion, a clamp (7) of the bobbin mounted on the supporting part (6) and coupled to a drive for reversible horizontal linear motion, vertical clamping mandrel (8) mounted on the clamp (7) and coupled to a rotary drive (82) for rotating about the longitudinal axis (X), and a controlled clamping element (9), provided at the lower end of the vertical clamping mandrel (8) for insertion into the cavity of the upper end of the tube (1) of the bobbin. The invention also relates to a method for transporting a bobbin by means of a bobbin handling device. In addition, the invention relates to a service robot of a ring spinning machine and to a ring spinning machine as such.

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Cited by
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