

Title (en)

METHOD AND APPARATUS FOR GUIDING, HOLDING AND CUTTING A YARN DURING BOBBIN EXCHANGE

Publication

EP 0311827 A3 19890705 (DE)

Application

EP 88115758 A 19880924

Priority

DE 3734478 A 19871012

Abstract (en)

[origin: EP0311827A2] On a spin-spooling machine, a yarn (22) delivered continuously is wound to form a cross-wound bobbin (21). After a predetermined diameter of the cross-wound bobbin (21) has been reached, the cross-wound bobbin (21) is exchanged for an empty bobbin tube (2). For this, the yarn (22) is handled in a region laterally next to the spooling region (7). During all the spooling and bobbin-changing operations, the yarn (22) is guided by a microprocessor-controlled stepping motor (4) by means of a traversing yarn guide (1).

IPC 1-7

B65H 67/04; **B65H 54/28**; **B65H 54/34**; **B65H 54/71**

IPC 8 full level

B65H 54/28 (2006.01); **B65H 54/34** (2006.01); **B65H 54/71** (2006.01); **B65H 67/04** (2006.01)

CPC (source: EP US)

B65H 54/28 (2013.01 - EP US); **B65H 54/34** (2013.01 - EP US); **B65H 54/71** (2013.01 - EP US); **B65H 67/04** (2013.01 - EP US); **B65H 2511/14** (2013.01 - EP US); **B65H 2513/10** (2013.01 - EP US); **B65H 2557/20** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

C-Set (source: EP US)

1. **B65H 2511/14** + **B65H 2220/01**
2. **B65H 2513/10** + **B65H 2220/02**

Citation (search report)

- [AD] DE 3411158 A1 19851010 - BARMAG BARMER MASCHF [DE]
- [A] GB 2044308 A 19801015 - TORAY INDUSTRIES
- [A] US 3940078 A 19760224 - BENSE WILLIAM M, et al
- [A] EP 0149107 A2 19850724 - SCHUBERT & SALZER MASCHINEN [DE]

Cited by

EP0453622A1; DE19950285A1; EP0808791A3; EP1046603A3; DE10324253A1; DE10324253B4; CN103643322A; CN110950165A; US6045081A; EP0921087A3; US6505791B1; EP0916612A3; CN115231385A; US6457668B1; US6189826B1; US6315236B1; US6308906B1; WO9965810A1; WO0055084A1; WO0024663A1; EP1880964A2; DE102014004411A1; EP1995200B1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0311827 A2 19890419; **EP 0311827 A3 19890705**; **EP 0311827 B1 19920129**; DE 3734478 A1 19890427; DE 3734478 C2 19911212; DE 3868216 D1 19920312; JP H01203177 A 19890815; US 4948057 A 19900814

DOCDB simple family (application)

EP 88115758 A 19880924; DE 3734478 A 19871012; DE 3868216 T 19880924; JP 25397288 A 19881011; US 25555188 A 19881011