

Title (en)

Tube-clamping system for a bobbin chuck.

Title (de)

Hülsenspannsystem für einen Spulendorn.

Title (fr)

Dispositif de serrage de tubes pour un mandrin de bobinage.

Publication

EP 0270826 A1 19880615 (DE)

Application

EP 87116079 A 19871102

Priority

CH 449086 A 19861111

Abstract (en)

[origin: US4830299A] A chuck for a winding machine has a tube gripping system with rubber or elastomeric springs which generate a bias to press tube gripping elements against the internal surface of a bobbin tube.

Abstract (de)

Ein Spulendorn (200) hat ein Hülsenspannsystem mit Gummifedern (40A), welche eine Vorspannung erzeugen, um Spannelemente (34) gegen die Innenseite einer Hülse zu drücken.

IPC 1-7

B65H 54/54; **B65H 75/24**

IPC 8 full level

B65H 54/547 (2006.01); **B65H 54/54** (2006.01)

CPC (source: EP US)

B65H 54/543 (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [APD] EP 0217276 A1 19870408 - RIETER AG MASCHF [CH]
- [A] US 2941735 A 19600621 - WYETH NATHANIEL C
- [A] GB 788244 A 19571223 - KARLSRUHE AUGSBURG IWEKA
- [AD] US 4142690 A 19790306 - KARLE HERBERT, et al
- [AD] US 4232835 A 19801111 - BENIN JOSHUA

Cited by

DE4224100A1; US5217175A

Designated contracting state (EPC)

CH DE GB IT LI

DOCDB simple family (publication)

EP 0404204 A2 19901227; **EP 0404204 A3 19910508**; **EP 0404204 B1 19940105**; DE 3769446 D1 19910523; DE 3788733 D1 19940217; EP 0270826 A1 19880615; EP 0270826 B1 19910417; IN 169417 B 19911012; JP H0367943 B2 19911024; JP S63123773 A 19880527; US 4830299 A 19890516

DOCDB simple family (application)

EP 90114238 A 19871102; DE 3769446 T 19871102; DE 3788733 T 19871102; EP 87116079 A 19871102; IN 691MA1987 A 19870923; JP 27195787 A 19871029; US 11787387 A 19871109