

Title (en)

DEVICE FOR ORIENTING IN THE SAME DIRECTION CONICAL YARN TUBES.

Publication

**EP 0601450 A3 19951018 (DE)**

Application

**EP 93119336 A 19931201**

Priority

DE 4241725 A 19921210

Abstract (en)

[origin: EP0601450A2] The invention relates to a device (1) for orienting conical yarn tubes in the same direction, having a feed device for supplying individual, horizontal yarn tubes 3, having an inclined surface 5, arranged downstream of said feed device, with a direction of inclination transverse to the longitudinal axis of the tubes, and having a loading element 6 which adjoins the inclined surface 5 and receives the oriented yarn tube 3. Arranged below the lower edge 13 of the inclined surface 5, as loading element 6, is a funnel 7 which leads to a loading device 10. The drive 30 of the feed device 2 is connected to a control unit 15. <IMAGE>

IPC 1-7

**B65H 67/06**

IPC 8 full level

**B65G 11/20** (2006.01); **B65G 47/14** (2006.01); **B65G 65/06** (2006.01); **B65G 65/42** (2006.01); **B65H 67/06** (2006.01)

CPC (source: EP)

**B65H 67/061** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [XY] FR 2483474 A1 19811204 - ALSACIENNE CONSTR MECA [FR]
- [YA] DE 9207311 U1 19920903
- [X] GB 2100763 A 19830106 - SCHUBERT & SALZER MASCHINEN [DE]
- [E] EP 0601449 A1 19940615 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [A] FR 1498137 A 19671013 - ZINSER TEXTILMASCHINEN GMBH
- [A] GB 1089459 A 19671101 - TMM RESEARCH LTD
- [A] DE 6605075 U 19700416 - REINERS WALTER DR ING [DE]

Cited by

CN105800386A; CN105819199A

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

**EP 0601450 A2 19940615; EP 0601450 A3 19951018; DE 4241725 A1 19940616; JP H06316324 A 19941115**

DOCDB simple family (application)

**EP 93119336 A 19931201; DE 4241725 A 19921210; JP 30946093 A 19931209**