

Title (en)

Apparatus for retracting and advancing a thread handling or treatment element

Title (de)

Vorrichtung zum Zurückziehen und Vorschieben eines Fadenbehandlungselementes

Title (fr)

Dispositif pour rétracter et avancer un élément de manipulation ou de traitement de fil

Publication

**EP 0755892 B1 19990113 (DE)**

Application

**EP 96111172 A 19960711**

Priority

- DE 19526901 A 19950722
- DE 19528462 A 19950803

Abstract (en)

[origin: EP0755892A1] The device moves the element relative to the thread movement. The element is connected to a drive motor via a drive mechanism. The mechanism contains parts (20, 22), which are relative turned, when the motor (19) is turned in a direction opposite to its normal direction of rotation. One part is coupled to the motor, the other part is locked against turning in reverse direction. Relative turning of the parts is converted into an axial movement of the thread processing element (10). Both parts are relatively supported in axial direction by helical surfaces, and loaded towards each other by a spring element (23).

IPC 1-7

**B65H 71/00**; **B65H 59/22**

IPC 8 full level

**B65H 51/32** (2006.01); **B65H 59/18** (2006.01); **B65H 59/22** (2006.01); **B65H 71/00** (2006.01)

CPC (source: EP US)

**B65H 59/225** (2013.01 - EP US); **B65H 71/005** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US); **Y10T 74/18032** (2015.01 - EP US)

Cited by

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Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

**EP 0755892 A1 19970129**; **EP 0755892 B1 19990113**; CN 1063238 C 20010314; CN 1149637 A 19970514; DE 59601136 D1 19990225; IN 189635 B 20030405; JP 3863947 B2 20061227; JP H09136768 A 19970527; US 5816515 A 19981006

DOCDB simple family (application)

**EP 96111172 A 19960711**; CN 96113371 A 19960722; DE 59601136 T 19960711; IN 1273CA1996 A 19960712; JP 19107796 A 19960719; US 68132596 A 19960722