

Title (en)

Chuck for holding a material roll

Title (de)

Spanndorn zur Lagerung einer Materialrolle

Title (fr)

Mandrin de serrage pour le support d'une bande de matériau

Publication

**EP 1731464 A2 20061213 (DE)**

Application

**EP 06118388 A 20030526**

Priority

- EP 03756950 A 20030526
- DE 10224839 A 20020605

Abstract (en)

The mandrel (01) extends from the shaft of a motor with roller bearings. It has a support element (03) shaped as a plug which extends into the end of the hollow spindle for the roll of paper (04). The motor is mounted in a mechanism for changing the roll (02). Pins with sharpened chisel-shaped ends are accommodated in pockets with their axes parallel to the axis of the mandrel and dig into the end of the spindle for the roll of paper, to assist in transmission of drive torque from the motor.

IPC 8 full level

**B65H 75/24** (2006.01); **B65H 16/10** (2006.01); **B65H 19/12** (2006.01)

CPC (source: EP US)

**B65H 16/10** (2013.01 - EP US); **B65H 19/12** (2013.01 - EP US); **B65H 2301/4181** (2013.01 - EP US); **B65H 2405/454** (2013.01 - EP US); **B65H 2511/51** (2013.01 - EP US)

C-Set (source: EP US)

**B65H 2511/51** + **B65H 2220/01**

Citation (applicant)

- EP 0453800 B1 19960821 - ROLAND MAN DRUCKMASCH [DE]
- DD 82615 A1 19710612 - HARZENDORF GERHARD [DE]
- DE 2832361 A1 19800131 - AGFA GEVAERT AG
- DE 2100746 A1 19720720
- DE 972578 C 19590813 - MUSCHAMP HAROLD LIONEL
- GB 2293225 A 19960320 - GMP CO LTD [KR]
- DE 7317470 U

Cited by

CN102026898A; US8002215B2; WO2009138258A1

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DOCDB simple family (application)

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