

Title (en)

WINDING APPARATUS

Publication

EP 0374536 A3 19911227 (DE)

Application

EP 89121960 A 19891128

Priority

- DE 3843202 A 19881222
- DE 3909106 A 19890320

Abstract (en)

[origin: EP0374536A2] Winding apparatus for a continuously running thread <??>The winding apparatus has a bobbin revolver (18), on which two bobbin spindles (5.1) and (5.2) are mounted for alternate operation. The bobbin spindle currently in winding operation rests with its circumference on a contact cylinder (11). The bobbin revolver is rotatable to adapt the axial distance between the contact cylinder and the bobbin spindle to the growing diameter of the bobbin. <??>The contact cylinder (11) is movable. A sensor (52) scans the movement and controls the rotational movement of the bobbin revolver (18). <IMAGE>

IPC 1-7

B65H 54/52; B65H 67/048

IPC 8 full level

B65H 54/34 (2006.01); **B65H 54/40** (2006.01); **B65H 54/52** (2006.01); **B65H 54/72** (2006.01); **B65H 65/00** (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP KR US)

B65H 54/28 (2013.01 - KR); **B65H 54/346** (2013.01 - EP US); **B65H 54/52** (2013.01 - EP US); **B65H 54/72** (2013.01 - EP US);
B65H 65/00 (2013.01 - EP US); **B65H 67/048** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

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DE 58907348 D1 19940505; DE 8916288 U1 19970522; ES 2050766 T3 19940601; JP 2693243 B2 19971224; JP H02276771 A 19901113;
KR 900009414 A 19900704; KR 970010909 B1 19970702; US 5029762 A 19910709

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JP 33147389 A 19891222; KR 890019264 A 19891222; US 45472389 A 19891221