

Title (en)

Method of and device for winding continuous threads or yarns.

Title (de)

Verfahren und Vorrichtung zum Wickeln von Endlosfäden oder Garnen.

Title (fr)

Procédé et dispositif pour enrouler des fils ou fibres sans fin.

Publication

EP 0680918 A3 19961204 (DE)

Application

EP 95106117 A 19950424

Priority

DE 4415653 A 19940504

Abstract (en)

[origin: EP0680918A2] Process for winding endless yarn (6) on spools (9) with continuous spool changing entails: thread supply and winding on a spool (9) driven by a roller (2), traversing the thread along the spool axis and separating the drive roller from the full spool when its drive is substituted by a different drive and winding resumed in the spool mid region. Also included is the rotation of a separately driven empty tube (18) till it contacts the drive roller and thread, braking the full spool, catching the running thread by the tube, bursting thread between tube and spool and formation of a breaking winding (14) in the empty tube mid region. Then the running thread is re-positioned to the tube border region to form a reserve (15) over the traversing range, displacement of the finished break winding to the reserve track, restoring the running thread on the traversing unit for formation of the spool body and changing of full spool for new tube. Appts. for implementation of the process comprises a yarn supply (7), yarn guide (8), a traversing unit (1), a drive roller (2) moveable also perpendicularly w.r.t. its axis, at least two spool holders (3,4) to take spools (9) or tubes (18) each connected to a unit (5) for the interchange of spool and tube positions. Also included is a guide unit for displacing the break thread on its tube till this can be brought into contact with the drive roller and the yarn guide raises the incoming yarn from the traversing unit and moves sideways w.r.t. the tube. <IMAGE>

IPC 1-7

B65H 67/048

IPC 8 full level

B65H 67/044 (2006.01); **B65H 65/00** (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP KR US)

B65H 19/2215 (2013.01 - KR); **B65H 19/2253** (2013.01 - KR); **B65H 65/00** (2013.01 - EP US); **B65H 67/048** (2013.01 - EP KR US); **B65H 18/16** (2013.01 - KR); **B65H 23/24** (2013.01 - KR); **B65H 54/42** (2013.01 - KR); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0359453 A2 19900321 - ASAHI CHEMICAL IND [JP]
- [AD] DE 2524415 A1 19751218 - TEIJIN LTD [JP], et al

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DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0680918 A2 19951108; **EP 0680918 A3 19961204**; **EP 0680918 B1 19990210**; CA 2148325 A1 19951105; DE 4415653 A1 19951109; DE 59505067 D1 19990325; ES 2129150 T3 19990601; JP H07300281 A 19951114; KR 950031845 A 19951220; TW 419541 B 20010121; US 5810270 A 19980922

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