

Title (en)

Spinning machine comprising a device for winding a thread reserve on an empty bobbin

Title (de)

Spinnmaschine mit einer Vorrichtung zum Wickeln einer Fadenreserve auf eine leere Hülse

Title (fr)

Métier à filer avec un dispositif pour bobiner d'une réserve de fil sur une bobine vide

Publication

**EP 1561717 A1 20050810 (EN)**

Application

**EP 04031035 A 20041230**

Priority

JP 2004030284 A 20040206

Abstract (en)

The present invention provides a bunch winding method of catching a spun yarn end of a continuously fed spun yarn 10 and executing bunch winding on an empty bobbin 22, in which the bunch winding is unlikely to fail. A chucker 89 holds the empty bobbin 22 so that a gap (g2) is formed between one end of the empty bobbin 22 and a bobbin holder 86. In this state, a suction pipe 88 in which the end of the continuously fed spun yarn 10 sucked and caught is used to guide the spun yarn 10 to an interior of the gap (g2). Then, in this state, a cradle operating arm 90 allows the empty bobbin 22 to be sandwiched between bobbin holders 85, 86 to sandwich the spun yarn 10 between one end of the empty bobbin 22 and the bobbin holder 86 to nip the spun yarn 10. In this state, the empty bobbin 22 is rotated to form a straight winding on the empty bobbin 22. <IMAGE>

IPC 1-7

**B65H 65/00**; **B65H 54/553**; **D01H 1/38**

IPC 8 full level

**B65H 54/34** (2006.01); **B65H 54/553** (2006.01); **B65H 65/00** (2006.01); **D01H 1/38** (2006.01)

CPC (source: EP)

**B65H 54/343** (2013.01); **B65H 54/553** (2013.01); **B65H 65/00** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

CH DE LI

DOCDB simple family (publication)

**EP 1561717 A1 20050810**; **EP 1561717 B1 20080827**; CN 100582332 C 20100120; CN 1651620 A 20050810; DE 602004016112 D1 20081009; JP 2005219880 A 20050818; JP 4059206 B2 20080312

DOCDB simple family (application)

**EP 04031035 A 20041230**; CN 200510006787 A 20050204; DE 602004016112 T 20041230; JP 2004030284 A 20040206