

Title (en)

Device and process for controlling and feeding spools coming in bulk from spinning to an automatic spooler

Title (de)

Vorrichtung und Verfahren zum Steuern und Zuführen von als Schüttgut aus der Spinnerei kommenden Spulen zu einer automatischen Spulmaschine

Title (fr)

Dispositif et procédé pour contrôler et alimenter des bobines en vrac pour alimenter un bobineur automatique

Publication

EP 2465801 A1 20120620 (EN)

Application

EP 11194114 A 20111216

Priority

IT MI20102331 A 20101220

Abstract (en)

Device and process for controlling spools coming in bulk from spinning and for subsequently feeding them for automatic spooling, wherein spools (2) travel on a main conveyor belt (1) whereon an optical sensor (3) is arranged, wherein the spool (2) in motion with the belt (1), thus acquiring the profile and the posture of the spool (2). On the basis of the detected profile, a deviating element (5) deviates the normal spools on a secondary sorting line (6) that receives and works the deviated spools towards the spooler and to be oriented with the base downwards, or does not deviate the anomalous spools from the main conveyor belt (1), letting them continue towards a collecting box for their subsequent separate treatment.

IPC 8 full level

B65H 63/00 (2006.01); **B65H 67/06** (2006.01)

CPC (source: EP)

B65H 63/006 (2013.01); **B65H 67/061** (2013.01); **B65H 67/062** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)

- US 5255775 A 19931026 - BUEHREN HEINZ [DE], et al
- DE 19840299 A1 20000309 - SCHLAFHORST & CO W [DE]
- DE 3942304 A1 19910627 - SCHLAFHORST & CO W [DE]
- JP S6260778 B2 19871217

Citation (search report)

- [AD] DE 3942304 A1 19910627 - SCHLAFHORST & CO W [DE]
- [AD] JP S6260778 A 19870317 - KURASHIKI BOSEKI KK
- [AD] DE 19840299 A1 20000309 - SCHLAFHORST & CO W [DE]
- [AD] US 5255775 A 19931026 - BUEHREN HEINZ [DE], et al
- [A] JP S4963460 A 19740619
- [A] JP S6246662 U 19870323
- [A] GB 957162 A 19640506 - COTTON SILK & MAN MADE FIBRES

Cited by

CN105600400A; EP3309098A1; DE102016201358A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2465801 A1 20120620; **EP 2465801 B1 20130605**; CN 102658950 A 20120912; CN 102658950 B 20160504; IT 1403277 B1 20131017; IT MI20102331 A1 20120621

DOCDB simple family (application)

EP 11194114 A 20111216; CN 201110463376 A 20111220; IT MI20102331 A 20101220