Title (en)

WINDING UNIT PROVIDED WITH IMPROVED ANTI-CURL DEVICE AND METHOD FOR PICKING UP A YARN END OF A BOBBIN FOLLOWING CUTTING, IN A WINDING UNIT

Title (de)

WICKELEINHEIT MIT VERBESSERTER KRÄUSELSCHUTZVORRICHTUNG UND VERFAHREN ZUM AUFNEHMEN EINES FADENENDES EINER SPULE NACH DEM SCHNEIDEN IN EINER WICKELEINHEIT

Title (fr)

UNITÉ D'ENROULEMENT DOTÉE D'UN DISPOSITIF ANTI-BOUCLES AMÉLIORÉ ET PROCÉDÉ POUR COLLECTER UNE EXTRÉMITÉ DE FIL D'UNE BOBINE APRÈS UNE COUPE, DANS UNE UNITÉ D'ENROULEMENT

Publication

EP 3572364 B1 20210407 (EN)

Application

EP 19170326 A 20190418

Priority

IT 201800005658 A 20180524

Abstract (en)

[origin: EP3572364A1] A winding unit (4) comprising a bobbin (8) wound about a corresponding hollow tube (12), a yarn clearer (20) adapted to verify the presence of defects in the yarn (16) unwound from the bobbin (8), a reel (24) onto which the yarn (16) unwound from the bobbin (8) is wound, a cutting device (28) to cut the yarn (16) when identifying yarn defects (16) to be eliminated, an anti-curl device (32) placed close to the bobbin (8) and adapted to prevent the yarn (16) on the bobbin side (8) from curling and/or twisting following the cutting or the yarn (16) from breaking. The anti-curl device (32) advantageously comprises an arm (36) positioned close to an upper end (40) of the bobbin (8), on the side where the yarn (16) is unwound from the bobbin (8). Said arm (36) is provided with at least one outlet nozzle (52) connected to a compressed air source so as to direct a flow of compressed air close to the upper end (40) of the bobbin (8), thus facilitating the entry of the yarn (16) into said hollow tube (12).

IPC 8 full level

B65H 67/08 (2006.01)

CPC (source: CN EP)

B65H 54/71 (2013.01 - CN); **B65H 54/88** (2013.01 - CN); **B65H 67/083** (2013.01 - EP); B65H 2701/31 (2013.01 - EP)

Cited by

CN111891836A

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

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DOCDB simple family (application)

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