

Title (en)
METHOD FOR TRANSFORMING A YARN SPINNING AND/OR TWISTING MACHINE AND MODIFIED YARN SPINNING AND/OR TWISTING MACHINE RESULTING FROM SAID METHOD

Title (de)
VERFAHREN ZUR UMWANDLUNG EINER GARNSPINN- UND/ODER ZWIRNMASCHINE SOWIE AUS DIESEM VERFAHREN RESULTIERENDE MODIFIZIERTE GARNSPINN- UND ZWIRNMASCHINE

Title (fr)
PROCÉDÉ POUR TRANSFORMER UNE MACHINE DE FILAGE ET/OU DE TORDAGE DE FILS ET MACHINE DE FILAGE ET/OU DE TORDAGE DE FILS MODIFIÉE SELON LEDIT PROCÉDÉ

Publication
EP 3868932 A4 20211208 (EN)

Application
EP 19872338 A 20191015

Priority
• ES 201830991 A 20181015
• ES 2019070702 W 20191015

Abstract (en)
[origin: EP3868932A1] A method for transforming a yarn spinning and/or twisting machine and the yarn spinning and/or twisting machine modified according to said method to increase the height (h) of the balloon region zone (a), between the upper and lower ends thereof, in order to provide said zone with two or more balloon regions (a), with means for feeding (1) the thread (2) using conventional upper guides (3), and means for tensing (4) and rolling (5) the thread (2) onto a lower collection reel (6), comprising: elimination of the conventional guide means (3); and the incorporation of an additional guide accessory (3') immediately after the feed means (1), consisting, for example, of a clip (30) or a set of rollers (32) optionally with a conveyor belt (33).

IPC 8 full level
D01H 7/52 (2006.01); **D01H 1/02** (2006.01); **D01H 13/04** (2006.01)

CPC (source: EP ES US)
D01H 1/02 (2013.01 - EP); **D01H 1/42** (2013.01 - US); **D01H 7/52** (2013.01 - ES US); **D01H 13/04** (2013.01 - EP); **D01H 2700/24** (2013.01 - US)

Citation (search report)
• [XAI] WO 2018122625 A1 20180705 - TWISTPERFECT S L [ES], et al
• [E] WO 2020254710 A1 20201224 - TWISTPERFECT S L [ES], et al
• See also references of WO 2020079304A1

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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BA ME

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 19872338 A 20191015; CN 201980083071 A 20191015; ES 201830991 A 20181015; ES 2019070702 W 20191015; TW 108130307 A 20190823; US 201917285241 A 20191015