

Title (en)

METHOD FOR SUCTION OF A YARN FROM A SPOOL AND CORRESPONDING DEVICE

Title (de)

VERFAHREN ZUM ABSAUGEN EINES FADENS VON EINER SPULE UND ENTSPRECHENDE VORRICHTUNG

Title (fr)

PROCEDE D'ASPIRATION D'UN FIL A PARTIR D'UNE BOBINE ET DISPOSITIF CORRESPONDANT

Publication

EP 3135618 B1 20181128 (DE)

Application

EP 16181584 A 20160728

Priority

DE 102015112660 A 20150731

Abstract (en)

[origin: US2017029235A1] The method in accordance with the invention serves the purpose of extracting a thread (1) by suction from a coil (3) and the re-attachment of a thread end (13) to a new thread (1), whereas the thread (1) is sucked in against its spooling direction through a suction nozzle (6) into an extraction system, a loop (14) is subsequently formed, the thread (1) is separated in the area of the loop (14), which discharges a thread end (13) in the extraction port and prepares the other thread end (13') coming out of the coil (3) for re-attachment, and is subsequently attached to a new thread (1). Upon being extracted by suction, the thread (1) is guided through an eyelet (11) located in the run of the thread of the extraction port (8), the eyelet (11) is, together with the thread (1), moved out of the run of the thread of the extraction port (8), such that the thread (1) forms a loop (14) between the coil (3), the eyelet (11) and the extraction port (8), along with a corresponding device.

IPC 8 full level

B65H 67/08 (2006.01); **D01H 4/50** (2006.01)

CPC (source: CN EP US)

B65H 67/085 (2013.01 - EP US); **D01H 4/48** (2013.01 - CN); **D01H 4/50** (2013.01 - US); **D01H 15/00** (2013.01 - CN); **B65H 2701/31** (2013.01 - EP US)

Cited by

EP3546406A1; EP3511275A1; CN109881317A; WO2018185221A1; US10907278B2

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

DOCDB simple family (publication)

EP 3135618 A2 20170301; **EP 3135618 A3 20170315**; **EP 3135618 B1 20181128**; BR 102016017732 A2 20170207; CN 106400226 A 20170215; CN 106400226 B 20201113; DE 102015112660 A1 20170202; JP 2017057548 A 20170323; MX 2016009872 A 20170223; MX 364650 B 20190503; TR 201900373 T4 20190221; US 10202254 B2 20190212; US 2017029235 A1 20170202

DOCDB simple family (application)

EP 16181584 A 20160728; BR 102016017732 A 20160729; CN 201610618033 A 20160730; DE 102015112660 A 20150731; JP 2016148632 A 20160728; MX 2016009872 A 20160728; TR 201900373 T 20160728; US 201615224604 A 20160731