

Title (en)

DEVICE AND METHOD FOR PRODUCING A NET-LIKE THREAD ARRANGEMENT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM HERSTELLEN NETZARTIGER FADENGELEGE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE FABRICATION D'UNE NAPPE DE FILS RÉTICULAIRE

Publication

**EP 3030705 B1 20180131 (DE)**

Application

**EP 14752803 A 20140805**

Priority

- DE 102013013412 A 20130809
- EP 2014066799 W 20140805

Abstract (en)

[origin: WO2015018819A1] The invention relates to a device (10) for producing a net-like thread arrangement with intersecting longitudinal (3, 3a, 3b) and transverse threads (2), comprising: at least one rotor arm (5) with a transverse thread laying device (4) and two transverse thread placement screws (1) which are arranged at a distance to each other in the transverse thread placement direction (y), receive loops (2') of the transverse thread (2) fed by the rotor arms (5) in the threads of the screws, and release the loops at the free ends (1a) of the screws and place same transversely to the longitudinal threads (3, 3a, 3b). According to the invention, at least one auxiliary device for controlling the placement of the transverse thread loops (2') is provided in the region of the free ends (1a) of the transverse thread placement screws (1). The auxiliary device comprises a left and a right pair of closed continuous belts (30, 31) which can be oriented such that in each pair, a first continuous belt (30) is fed onto a transverse thread loop (2') to be placed from above and a second continuous belt (31) is fed onto said transverse thread loop from below, said continuous belts enclosing the transverse thread loop (2') between one another in a force-fitting manner. The continuous belts (30, 31) further transport the transverse thread loops (2') enclosed between the belts in a controlled manner and place the loops at precisely defined distances, whereby a highly uniform net-like thread arrangement is produced.

IPC 8 full level

**D04H 3/045** (2012.01); **B29C 70/22** (2006.01)

CPC (source: EP)

**D04H 3/045** (2013.01)

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)

**DE 102013013412 B3 20141120**; EP 3030705 A1 20160615; EP 3030705 B1 20180131; ES 2667174 T3 20180509; PT 3030705 T 20180502; WO 2015018819 A1 20150212

DOCDB simple family (application)

**DE 102013013412 A 20130809**; EP 14752803 A 20140805; EP 2014066799 W 20140805; ES 14752803 T 20140805; PT 14752803 T 20140805