

Title (en)

APPARATUS AND METHOD FOR PRESENTING THREADS AND TEXTILE MACHINE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM VORLEGEN VON FÄDEN UND TEXTILMASCHINE

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR POSITIONNER LES FILS ET MACHINE TEXTILE

Publication

EP 3645774 B1 20210818 (DE)

Application

EP 18731434 A 20180613

Priority

- DE 102017114133 A 20170626
- EP 2018065699 W 20180613

Abstract (en)

[origin: WO2019001969A1] The invention relates to an apparatus for presenting threads for loop-forming tools, arranged in at least one row, of a textile machine having a thread guide apparatus having at least one rotary element (4, 5, 20, 21, 30, 31, 40, 41) having at least one thread guide (20a, 20b, 21a, 21b, 30a, 30b, 40a, 40b), said thread guide apparatus being configured to lay a thread back and forth in two directions (HI, HR) in each case in front of a row of the tools in an entire stroke range (BG). The thread guide apparatus has at least two rotary elements (4, 5) arranged as a pair, wherein the rotary elements (4, 5, 20, 21, 30, 31, 40, 41) of a pair are arranged eccentrically with respect to one another and one above another in the axial direction, and wherein the rotary elements (4, 5) of a pair are drivable in opposite directions of rotation (R1, R2). Each rotary element (4, 5, 20, 21, 30, 31, 40, 41) has at least one thread guide (4a, 4b, 4c, 5a, 4b, 4c, 20a, 20b, 21a, 21b, 30a, 30b, 40a, 40b), configured as a driver element, for laying the thread in one of the directions (HI, HR).

IPC 8 full level

D04B 23/12 (2006.01)

CPC (source: EP US)

D04B 23/12 (2013.01 - EP); **D04B 23/22** (2013.01 - US); **D04B 27/10** (2013.01 - US)

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 102017114133 A1 20181227; CN 110770379 A 20200207; CN 110770379 B 20210709; EP 3645774 A1 20200506; EP 3645774 B1 20210818; US 2020109498 A1 20200409; WO 2019001969 A1 20190103

DOCDB simple family (application)

DE 102017114133 A 20170626; CN 201880043136 A 20180613; EP 18731434 A 20180613; EP 2018065699 W 20180613; US 201816614438 A 20180613