Title (en)

YARN-CLAMPING DEVICE AND WEAVING PREPARATION MACHINE INCLUDING SUCH A YARN-CLAMPING DEVICE

Title (de)

FADENKLEMMVORRICHTUNG UND WEBMASCHINE MIT SOLCH EINER FADENKLEMMVORRICHTUNG

Title (fr)

DISPOSITIF DE SERRAGE DE FIL ET MACHINE DE PRÉPARATION DE TISSAGE COMPRENANT UN TEL DISPOSITIF DE SERRAGE DE FIL

Publication

**EP 3771758 A1 20210203 (EN)**

Application

**EP 19189417 A 20190731**

Priority

EP 19189417 A 20190731

Abstract (en)

This yarn-clamping device (6) comprises a support member (166,186) forming a support surface extending along a longitudinal axis (X); a clamping bar (120) including a toothed surface (128) and a clamping surface (126) which faces the support surface along a transverse axis (Z), a first pressing rail (112) provided with a first complementary toothed surface (146) for cooperating with the toothed surface (128) of the clamping bar; and a first drive unit (132) for moving the first pressing rail (112) between a released position and a holding position, so that its first complementary toothed surface (146) cooperates with the toothed surface of the clamping bar to move the clamping surface (126) between a first open position, and a second closed position. The yarn-clamping device (6) also comprises a second pressing rail (114) provided with a second complementary toothed surface (148) for cooperating with the toothed surface (128) of the clamping bar (120) and a second drive unit (134) for moving the second pressing rail (114) between a released position and a holding position, so that the second complementary toothed surface (148) cooperates with the toothed surface of the clamping bar to move the clamping surface between the first open position and the second closed position. The first complementary toothed surface (146) faces a first longitudinal portion (128P1) of the toothed surface (128) of the clamping bar (120) and the second complementary toothed surface (148) faces a second longitudinal portion (128P2) of this toothed surface. The first and second complementary toothed surfaces (146, 148) are adjacent along the longitudinal axis (X) and they are moved, from their released positions to their holding positions, in the same longitudinal direction, for moving the clamping surface (126) from its first open position to its second closed position.

IPC 8 full level

**D03J 1/13** (2006.01)

CPC (source: CN EP)

**D03J 1/13** (2013.01 - EP); **D03J 1/14** (2013.01 - CN)

Citation (applicant)

- EP 0557495 A1 19930901 - ZELLWEGER USTER AG [CH]
- EP 2199443 A1 20100623 - STAEUBLI AG PFAEFFIKON [CH]
- EP 0590120 A1 19940406 - ZELLWEGER USTER AG [CH]

Citation (search report)

- [AD] EP 0557495 A1 19930901 - ZELLWEGER USTER AG [CH]
- [A] US 3741836 A 19730626 - WILLIAMS W
- [A] DE 203466 C

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

Designated extension state (EPC)

BA ME

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