

Title (en)

WEFT THREAD TENSIONING DEVICE AND METHOD OF OPERATING A WEFT THREAD TENSIONING DEVICE

Title (de)

SCHUSSFADENSpannungsvorrichtung und verfahren zum betrieb der schussfadenspannungsvorrichtung

Title (fr)

DISPOSITIF DE TENSION DE FIL DE TRAME ET PROCÉDÉ DE FONCTIONNEMENT D'UN DISPOSITIF DE TENSION DE FIL DE TRAME

Publication

**EP 3754069 A1 20201223 (EN)**

Application

**EP 19180425 A 20190617**

Priority

EP 19180425 A 20190617

Abstract (en)

A weft thread tensioning device, comprising a weft thread path defining arrangement having two weft thread passage elements (24, 26) positioned at a distance with respect to each other for receiving a weft thread such as to extend along a straight weft thread path (P) extending between the weft thread passage elements (24, 26), a weft thread deflection element (28) positioned between the weft thread passage elements (24, 26) in the direction of the weft thread path (P), the weft thread deflection element (28) being movable such as to act on a weft thread extending across the weft thread passage elements (24, 26) for deflecting the weft thread between the weft thread passage elements (24, 26) out of the straight weft thread path (P), and a deflection element drive (34) operable for moving the weft thread deflection element (28), the deflection element drive (34) having a controller (38) associated therewith for controlling the movement of the weft thread deflection element (28) for deflecting a weft thread extending across the weft thread passage elements (24, 26), is characterized in that the deflection element drive (34) comprises a rotary electric motor (36), and that the weft thread deflection element (28) is coupled to a rotor shaft of the rotary electric motor (36) and is arranged for carrying out a swiveling movement about a swivel axis (A) that is substantially parallel to the straight weft thread path (P).

IPC 8 full level

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CPC (source: EP US)

**D03D 47/347** (2013.01 - EP US); **D03J 5/24** (2013.01 - US)

Citation (applicant)

- EP 0902109 A1 19990317 - DORNIER GMBH LINDAUER [DE]
- EP 1783255 A1 20070509 - LGL ELECTRONICS SPA [IT]
- EP 0467059 A1 19920122 - VAMATEX SPA [IT]

Citation (search report)

- [X] EP 0851833 A1 19980708 - IRO AB [SE]
- [X] JP H06184867 A 19940705 - TSUDAKOMA IND CO LTD
- [X] EP 2128318 A1 20091202 - IRO AB [SE]
- [X] EP 1233090 A1 20020821 - TE STRAKE BV [NL]
- [X] US 6135377 A 20001024 - COVELLI MARCO [IT], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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