

Title (en)

WEFT INSERTION DEVICE FOR RAPIER LOOM

Title (de)

SCHUSSFADENEINFÜHRUNGSVORRICHTUNG FÜR GREIFERWEBMASCHINEN

Title (fr)

DISPOSITIF D'INSERTION DE TRAME POUR MÉTIER À TISSER À LANCES

Publication

EP 3483317 A1 20190515 (EN)

Application

EP 18190364 A 20180823

Priority

JP 2017217223 A 20171110

Abstract (en)

A weft insertion device (1) includes a yarn guide mechanism (50) that includes a holding device (51) including a holding body that is disposed below the movement path (P) and holds a flat yarn (Y), a guide device (55) that is disposed above the holding device (51) and guides a tip portion of the flat yarn (Y) to the holding device (51), and a guide member (53) that guides the flat yarn (Y) at a position above the movement path (P). The guide device (55) includes a guide plate (55a) that is disposed directly above the holding body so as to be perpendicular to a weaving width direction and a guide-plate driving device (55g) that displaces the guide plate (55a) between an upper standby position above the movement path (P) and a guide position where an end of the guide plate (55a) reaches the holding body.

IPC 8 full level

D03D 47/12 (2006.01); **D03D 41/00** (2006.01); **D03D 47/16** (2006.01); **D03D 47/25** (2006.01)

CPC (source: EP)

D03D 41/008 (2013.01); **D03D 47/125** (2013.01); **D03D 47/16** (2013.01); **D03D 47/25** (2013.01)

Citation (applicant)

JP 2012046835 A 20120308 - TOYOSU MACHINERY CORP

Citation (search report)

- [AD] JP 2012046835 A 20120308 - TOYOSU MACHINERY CORP
- [A] EP 0756027 A1 19970129 - TORAY INDUSTRIES [JP]

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

DOCDB simple family (publication)

EP 3483317 A1 20190515; **EP 3483317 B1 20200923**; JP 2019085681 A 20190606; JP 6933956 B2 20210908; TW 201918600 A 20190516; TW I765116 B 20220521

DOCDB simple family (application)

EP 18190364 A 20180823; JP 2017217223 A 20171110; TW 107139277 A 20181106