

Title (en)

WEFT YARN OPERATING DEVICE WITHOUT FALSE SELVEDGE IN A GRIPPER WEAVING LOOM

Title (de)

SCHUSSFADENBETÄTIGUNGSVORRICHTUNG OHNE FALSCHER WEBKANTE IN EINER GREIFERWEBMASCHINE

Title (fr)

DISPOSITIF DE COMMANDE DE FIL DE TRAME SANS FAUSSE LISIÈRE DANS UN MÉTIER À TISSER À PINCES

Publication

EP 3425094 B1 20200401 (EN)

Application

EP 18180039 A 20180627

Priority

IT 201700073787 A 20170630

Abstract (en)

[origin: EP3425094A1] Weft yarn operating device, in a gripper loom, of the type comprising: respective clamping grippers (P) for each one of the waiting weft yarns (T), said clamping grippers (P) being mounted on a same and single support (S) which is arranged at the edge of the fabric being woven; a first motor means (Ms) which moves said support (S) in order to bring the clamping gripper (P) of a weft yarn to be inserted into the shed near a work station (L); a second motor means (Mp) which opens said clamping gripper (P) in opposition to retaining means which maintain the clamping gripper (P) in a closed position; and weft yarn directing means (6, 7) which, during the beating step, convey the weft yarn into said open clamping gripper (P). Support (S) is pivoted about a rotation axis (C) and said gripping grippers (P) are mounted on said support (S) along a circumference arc whose centre lies on said rotation axis (C). Yarn guide means are provided which are integral with said support (S) for passing all said weft yarns clamped by said gripping grippers (P) in a convergence area arranged in close proximity to said rotation axis (C) of support (S).

IPC 8 full level

D03D 47/14 (2006.01); **D03D 47/12** (2006.01); **D03D 47/24** (2006.01); **D03D 47/36** (2006.01); **D03D 47/38** (2006.01)

CPC (source: CN EP)

D03D 47/125 (2013.01 - EP); **D03D 47/14** (2013.01 - EP); **D03D 47/23** (2013.01 - CN); **D03D 47/24** (2013.01 - CN EP); **D03D 47/34** (2013.01 - CN); **D03D 47/36** (2013.01 - EP); **D03D 47/38** (2013.01 - EP); **D03D 49/70** (2013.01 - CN)

Cited by

DE102020214451B3; WO2022106122A1; WO2019102294A1; WO2022223225A3

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)

EP 3425094 A1 20190109; **EP 3425094 B1 20200401**; CN 109208158 A 20190115; CN 109208158 B 20210924; IT 201700073787 A1 20181230; JP 2019039122 A 20190314; JP 7017991 B2 20220209

DOCDB simple family (application)

EP 18180039 A 20180627; CN 201810692191 A 20180629; IT 201700073787 A 20170630; JP 2018122814 A 20180628