

Title (en)

AN INSERTION DEVICE OF YARN-LIKE ARTICLES FOR A FLAT KNITTING MACHINE

Title (de)

EINLEGEVORRICHTUNG FÜR GARNFÖRMIGE ARTIKEL FÜR EINE FLACHSTRICKMASCHINE

Title (fr)

DISPOSITIF D'INSERTION D'ARTICLES DE TYPE FIL POUR UNE MACHINE À TRICOTER RECTILIGNE

Publication

**EP 3901343 A1 20211027 (EN)**

Application

**EP 21169242 A 20210419**

Priority

JP 2020076742 A 20200423

Abstract (en)

An insertion device 2 of yarn-like articles 20 comprises a carrier 6 movable on a rail 4 of a flat knitting machine. The carrier 6 is provided with an electric power supply 16; a motor 25; a pair of rollers 34 sending out the yarn-like articles 20 and driven by the motor 25; and a cutting device 40 cutting the yarn-like articles 20 and provided at a downstream position than the pair of rollers 34.

IPC 8 full level

**D04B 15/48** (2006.01); **D04B 15/56** (2006.01)

CPC (source: CN EP KR)

**D04B 1/123** (2013.01 - EP); **D04B 15/48** (2013.01 - CN EP); **D04B 15/565** (2013.01 - EP KR); **D04B 15/70** (2013.01 - KR); **D04B 37/02** (2013.01 - EP KR); **D10B 2403/02431** (2013.01 - EP)

Citation (applicant)

- US 2018282914 A1 20181004 - DEALEY STUART W [US], et al
- US 7246508 B1 20070724 - LO YI-XIN [TW]

Citation (search report)

- [Y] US 5623840 A 19970429 - ROELL FRIEDRICH [DE]
- [Y] WO 2019170952 A1 20190912 - HAPPY PUNT S L U [ES]
- [Y] US 6094945 A 20000801 - LONATI FRANCESCO [IT], et al

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 3901343 A1 20211027**; **EP 3901343 B1 20240221**; CN 113550059 A 20211026; CN 113550059 B 20230418; JP 2021172910 A 20211101; JP 7438007 B2 20240226; KR 102554097 B1 20230710; KR 20210131248 A 20211102

DOCDB simple family (application)

**EP 21169242 A 20210419**; CN 202110437838 A 20210422; JP 2020076742 A 20200423; KR 20210052206 A 20210422