

Title (en)

YARN SENDING DEVICE AND FALSE-TWIST TEXTURING MACHINE

Title (de)

GARNSENDEVORRICHTUNG UND FALSCHDRALLTEXTURIERMASCHINE

Title (fr)

DISPOSITIF D'ENVOI DE FIL ET MACHINE DE TEXTURATION PAR FAUSSE TORSION

Publication

EP 4198181 A3 20230719 (EN)

Application

EP 22209301 A 20221124

Priority

JP 2021203184 A 20211215

Abstract (en)

An object of the present invention is to provide a yarn sending device (30, 40, 46, 50, 60) which is able to reduce the burden of maintenance and to achieve cost reduction. A yarn sending device (30) includes: drive rollers (33) fixed to a drive shaft (31) which is rotationally driven; and driven rollers (34) which are rotated by making contact with circumferential surfaces of the drive rollers (33) and receiving a rotational force from the drive rollers (33). At a part of each driven roller (34) in an axial direction of the driven roller (34), a rotational force receiver (35) configured to make contact with a circumferential surface of one drive roller (33) and a yarn feeding unit (36) configured not to make contact with the circumferential surface of the drive roller (33) are formed. A yarn Y is wound onto the yarn feeding unit (36).

IPC 8 full level

D02G 1/02 (2006.01); **B65G 47/04** (2006.01); **B65H 51/10** (2006.01)

CPC (source: CN EP)

B65H 51/06 (2013.01 - EP); **B65H 51/10** (2013.01 - CN); **B65H 51/12** (2013.01 - EP); **B65H 57/14** (2013.01 - CN); **B65H 75/22** (2013.01 - CN); **B65H 75/30** (2013.01 - CN); **D02G 1/0266** (2013.01 - EP); **D02G 1/0273** (2013.01 - EP); **D02G 1/04** (2013.01 - CN); **B65H 2701/31** (2013.01 - CN EP)

Citation (search report)

- [Y] US 3253313 A 19660531 - HEAD WILLIAM I
- [Y] JP S5288643 A 19770725 - TEIJIN LTD
- [A] GB 1353237 A 19740515 - SNAM PROGETTI
- [A] US 3581487 A 19710601 - LOOMES WILLIAM CHARLES, et al
- [A] US 3999715 A 19761228 - SCHIPPERS HEINZ, 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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4198181 A2 20230621; **EP 4198181 A3 20230719**; CN 116262577 A 20230616; JP 2023088851 A 20230627; TW 202325932 A 20230701

DOCDB simple family (application)

EP 22209301 A 20221124; CN 202211471669 A 20221123; JP 2022183968 A 20221117; TW 111145396 A 20221128