

Title (en)
TENSION MEASURING DEVICE FOR KNITTING MACHINE AND TENSION MEASURING METHOD

Title (de)
SPANNUNGMESSVORRICHTUNG FÜR STRICKMASCHINE UND SPANNUNGMESSVERFAHREN

Title (fr)
DISPOSITIF DE MESURE DE TENSION POUR MACHINE À TRICOTER ET PROCÉDÉ DE MESURE DE TENSION

Publication
EP 3567148 A1 20191113 (EN)

Application
EP 19173120 A 20190507

Priority
JP 2018092147 A 20180511

Abstract (en)
There are provided a tension measuring device for a flat knitting machine and a tension measuring method for the same, with which tension of a yarn can be measured in such a manner that measured tension substantially accurately represents tension of the yarn to be knitted into fabric at a position after the yarn passes through a yarn feeding port so that problems can be prevented from occurring to the fabric due to abnormal tension of the yarn. In a flat knitting machine configured such that a yarn 20 is fed to needles via a feed path 2 with tension being applied to the yarn 20, a yarn drawing-in means 51 draws the yarn 20 being in a ready-for-knitting state, at a position after the yarn 20 passes through a yarn feeding port 153, into a measurement path 24 that is different from the feed path 2 to the needles. Subsequently, a measuring means 52 measures tension of the yarn 20 drawn into the measurement path 24 without performing knitting, and the tension of the yarn 20 measured at a position after the yarn feeding port 153 is displayed on a monitor 53.

IPC 8 full level
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CPC (source: CN EP KR)
D04B 7/00 (2013.01 - EP); **D04B 15/44** (2013.01 - CN KR); **D04B 35/16** (2013.01 - KR); **D04B 37/02** (2013.01 - EP)

Citation (applicant)
JP 2951068 B2 19990920

Citation (search report)
• [X] WO 03093550 A1 20031113 - BAREA TIZIANO [IT]
• [A] WO 2016091286 A1 20160616 - MEMMINGER IRO GMBH [DE]
• [A] EP 0699792 A1 19960306 - SHIMA SEIKI MFG [JP]

Designated contracting state (EPC)
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