

Title (en)
TAKE-UP TUBE REPLENISHMENT DEVICE

Title (de)
NACHFÜLLVORRICHTUNG FÜR AUFWICKELROHR

Title (fr)
DISPOSITIF DE REMPLISSAGE DE TUBE D'ENROULEMENT

Publication
EP 4180377 A1 20230517 (EN)

Application
EP 22203537 A 20221025

Priority
JP 2021184886 A 20211112

Abstract (en)
An object of the present invention is to effectively replenish, with empty take-up tubes, stockers which are provided in winding units of a false-twist texturing machine. A take-up tube replenishment device 50 is configured to replenish stockers 23 with empty bobbins Bw in a false-twist texturing machine 1 in which winding units 30 are provided in a base longitudinal direction to form plural stages. Each winding unit 30 includes a winding device 21 and one of the stockers 23. The take-up tube replenishment device 50 includes take-up tube moving paths 51 which are provided to form plural stages corresponding to the winding units 30 provided to form plural stages, which extend along the base longitudinal direction, and in which empty bobbins Bw which are to be used to replenish the stockers 23 are movable in the base longitudinal direction. Each take-up tube replenishment device 51 further includes: a supporting surface 51a which extends along the base longitudinal direction and which is provided for supporting the empty bobbins Bw from below; a replenishment port 61 which is provided at an end portion of each take-up tube moving path 51 in the base longitudinal direction and which is provided for allowing the empty bobbins Bw to be supplied; and guide portions 62 which are provided for guiding, toward the respective stockers 23, the empty bobbins Bw moving in the base longitudinal direction.

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Citation (applicant)
JP 2011047074 A 20110310 - TMT MACHINERY INC

Citation (search report)
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