

Title (en)
MOTORIZED POSITIVE YARN FEEDER WITH SELECTABLE OPERATING MODE, AND YARN FEEDING APPARATUS USING THE SAME

Title (de)
MOTORISIERTER POSITIVER FADENZUFÜHRER MIT WÄHLBAREM BETRIEBSMODUS UND FADENZUFÜHRUNGSVORRICHTUNG DAMIT

Title (fr)
DISPOSITIF D'ALIMENTATION POSITIVE DE FIL MOTORISÉ À MODE DE FONCTIONNEMENT SÉLECTIONNABLE ET APPAREIL D'ALIMENTATION EN FIL L'UTILISANT

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EP 4116476 A1 20230111 (EN)

Application
EP 22183487 A 20220707

Priority
IT 202100017966 A 20210708

Abstract (en)
A motorized positive yarn feeder with selectable operating mode is provided with a motorized reel (12) having a yarn (Y) wound thereon, which picks up the yarn from a spool (S) and feeds it to a textile machine (TM); a control unit (CU) can operate selectively in a position control mode, in which it receives a position signal (θ_{TM}) from the textile machine (TM), and, on the basis of a position signal of the reel (12), it controls the position of the reel (12) in a closed loop according to a transmission ratio that can be set electronically with respect to the position of the textile machine (TM), or in a tension control mode, in which it controls the speed of the reel (12) in a closed loop on the basis of a tension signal of the yarn, so as to stabilize the tension of the yarn (Y) at a reference tension value or at a tension profile that can be set by a user.

IPC 8 full level
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