

Title (en)
ZERO-TWIST YARN FEEDING DEVICE

Title (de)
VERDREHUNGSFREIE FADENZUFÜHRVORRICHTUNG

Title (fr)
DISPOSITIF D'ALIMENTATION DE FIL À TORSION NULLE

Publication
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Application
EP 17828057 A 20170620

Priority
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• SE 2017050671 W 20170620

Abstract (en)
[origin: WO2018013033A1] Described are, among other things, methods and devices for feeding yarn to a weaving machine (10), using a weft yarn feeding arrangement (12) for feeding weft yarn (40) to a weaving machine (10) having at least one rapier (11). The yarn feeding arrangement comprises a motor driven bobbin (13) and a motor driven loop buffer device (16). The yarn feeding arrangement further comprising a controller (32) for controlling the motor of the motor driven bobbin and the motor driven loop buffer device. The controller is adapted to -drive the motor (14) of the motor driven bobbin at a speed to feed an average or essentially an average amount of weft yarn that the weaving machine consumes wherein said essentially average amount of weft yarn deviates less than a pre-set amount from the actual average amount consumed by the weaving machine. - drive the motor of the motor driven loop buffer device based on the difference between the output speed of yarn (40) from the motor driven bobbin and a model of weft yarn insertion speed in the weaving machine and -adjust the drive of the motor of the motor driven loop buffer device based on a signal representing the actual weft yarn tension.

IPC 8 full level
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