

Title (en)

WARP KNITTING MACHINE, METHOD FOR MONITORING THE QUALITY OF A WARP KNIT AND SYSTEM THEREFORE

Title (de)

KETTENWIRKMASCHINE, VERFAHREN ZUR ÜBERPRÜFUNG EINER QUALITÄT EINER WIRKWARE SOWIE EIN SYSTEM DAFÜR

Title (fr)

MÉTIER À TRICOTER À CHAÎNE, PROCÉDURE DE CONTRÔLER LA QUALITÉ D'UN ARTICLE TRICOTÉ ET SYSTÈME POUR LAQUELLE

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Application

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Abstract (en)

[origin: CN111719233A] The invention relates to a warp knitting machine (1) which has a knitting area (5), a yarn feeding area (3) and a system for monitoring the fabric quality of the produced knit (2). In the knitting area, the warp knitting machine (1) produces the knit (2) in a knitting process. The warp (4) moves in the knitting area in operation of the warp knitting machine (1), and afterwards is subjected to the knitting process in the knitting area (5), wherein the system for monitoring the fabric quality of the produced knit (2) comprises an optical detecting device (7) and a data processing unit, and the data processing unit is set for generating an evaluating signal related with the fabric quality of the knit (2). According to the warp knitting machine, the optical detecting device (7) is configured in a manner that the optical detecting device can detect the motion graph of at least one warp (4) in the warp feeding area (3), wherein the data processing unit is set for determining the warp feedingspeed of at least one warp (4) in the motion graph, analyzing the warp feeding speed in the evaluation step and generating the evaluation signal according to an analysis result of the evaluating step.

IPC 8 full level

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