

Title (en)

Process to influence the movement of a weft yarn drawn from a storage bobbin to the weft inserting device of a loom and loom to carry out the process

Title (de)

Verfahren zum Beeinflussen der Bewegung eines von einer Vorratsspule abzuziehenden, gegen eine Schusseintragungseinrichtung einer Webmaschine verlaufenden Schussfadens und Webmaschine zur Durchführung des Verfahrens

Title (fr)

Procédé pour influencer le mouvement d'un fil de trame tiré d'une bobine de réserve vers le dispositif d'insertion de trame d'un métier à tisser et métier à tisser pour l'exécution de ce procédé

Publication

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Application

EP 93810220 A 19930326

Priority

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Abstract (en)

[origin: EP0617153A1] A weft thread (1) running off from a fixed storage bobbin (2) is guided, by a compressed-air nozzle (6) and a deflecting element (16), movable transversely to the weft-insertion direction (arrow 9), to the weft-insertion device (11) of a projectile weaving machine. After each weft insertion, the weft thread (1) is deflected by the deflecting element (16) out of an extended thread path (1a) into an angled thread path (1c) and, during a subsequent weft insertion, is returned towards the extended thread path (1a). During a predetermined fraction of the weaving cycle which comprises the return of the weft thread (1) into the extended thread path (1a), the compressed-air nozzle (6) is loaded by compressed air, so that the weft thread (1) is additionally accelerated for a short time. After the return of the weft thread (1), the supply of compressed air to the compressed-air nozzle (6) is stopped for the remaining part of the weaving cycle. As a result, with a minimum requirement of compressed air and by means of a simple nozzle arrangement, a careful guidance of the weft thread is guaranteed and a "stretch beat" is prevented from occurring when the weft thread is being stretched out. The method is especially suitable for the processing of sensitive yarn material in weaving machines with a high weft-insertion capacity. <IMAGE>

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