

Title (en)

Device and method for feeding a leno yarn in a weaving loom

Title (de)

Vorrichtung und Verfahren zum Bereitstellen eines Dreherfadens für eine Webmaschine

Title (fr)

Dispositif et procédé pour fournir un fil de tour à un métier à tisser

Publication

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Application

EP 00810288 A 20000404

Priority

- EP 00810288 A 20000404
- EP 99810371 A 19990503

Abstract (en)

[origin: EP1052317A1] The appts. to prepare a leno yarn, at a loom, has two yarn bobbin holders (7b,6b) in succession in the direction of yarn tra (F), followed by a yarn guide (3) for at least a double leno warp (6a,7a). A guide (2m) carries the first leno warp yarn (7a) fr the first bobbin (7) along the direction (F) of yarn travel next to the second holder (6b). The guide (2m) has an entry opening in front of the second holder (6b) to take the first leno warp yarn (7a). The yarn guide structure (2m) is powered to rotate by degrees round the direction (F) of yarn travel, in a circle around the second bobbin holder (6b). The first leno warp yarn emerg from the guide (2m) is twisted with the leno warp yarn (6a) from the second bobbin holder (6b) between it and the yarn guide (3) A yarn brake (2u,2o) is after each bobbin holder (7b,6b) and/or one bobbin holder (7b) and/or the other bobbin holder (6b) in a static mounting. The yarn guide (3) has a section on the direction (F) of yarn travel with a rotary axis (3f) parallel to the movement line (F). The yarn guide (3) has two spaced passage openings parallel to the rotary axis (3f), each holding a leno warp yarn (6a,7a). The guide (2m) is at a rotating shaft (21) with one end in a bearing mounting (2q) and linked to a drive. A bearin mounting (2k) is at the other end of the shaft (21), at a support (2i) linked to the second bobbin holder (6b). At the support (a holder (2f) is around it at right angles to the rotating shaft (21). The holder (2f) and the support (2i) are fitted together form a ring-shaped gap between them with a magnet (2h) at each to prevent a relative rotation of the support (2i) against the ho (2h). The guide (2m) runs through the gap with a 360 degrees rotation in the peripheral direction of the gap. Both guides (2m,3) powered by a drive, which is connected to a control to synchronize their rotary speeds. An Independent claim is included for an operation to prepare at least two leno warp yarns, at a loom, where the first leno warp yarn is drawn off the leading bobbin (6) while the second leno warp yarn (7a) is taken from its bobbin (7) and wound round the first by the rotating guide (2m). They are both twisted together at the guide (3) for a synchronized feed in relation to the weaving action. Preferred Features: The two gu (2m,3) are rotated at a synchronized speed. A pair of leno warp yarns (6a,7a) is fed to the loom with a left or a right twist, w can be altered by a setting in advance during a given time span and also held without rotation. A number of paired leno warp yar (6a,7a) can be fed to the loom, where the twist direction and/or twisting speed can be set for each pair independently of the others.

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IPC 8 full level

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CPC (source: EP)

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Cited by

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