

Title (en)

Device for the insertion of weft threads in a multi-phase loom and multi-phase loom with such device

Title (de)

Vorrichtung zum Eintragen von Schussfäden für eine Reihenfachwebmaschine und Reihenfachwebmaschine mit einer Vorrichtung

Title (fr)

Dispositif pour l'insertion des fils de trame dans un métier à tisser multiphase et métier à tisser multiphase avec un tel dispositif

Publication

EP 0980923 A1 20000223 (DE)

Application

EP 98810807 A 19980819

Priority

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Abstract (en)

The mechanism to feed weft yarns into a rolling shed loom has a fixed unit (4) with a number of channels to feed the weft yarn (3), and a unit (5) which rotates with the loom rotor fitted with a number of injection channels (12) to propel the wefts into the shed. A number of jets (31) charge the feed channels with the wefts (3) from a supply bobbin, continuously or intermittently. The fixed unit has a holder (21) and an assembly (22) of channels in a curve, concentric at the holder. Compartment units form the channels. The feed channel can have a transport channel and an extraction channel, where the clear width of the transport channel is larger than that of the extraction channel. The channels are assembled into a component, where they have separate inlets, opening into a common outlet. The component has a number of units, with an initial section with the channels, opening into a second section with an opening. The channels are divided into groups, with at least one channel group in the component unit. The channels have a cross section which tapers towards the open longitudinal side. An auxiliary jet can be at the second section, aligned to the opening. The injector jets (12) are at an equal angular interval, on a common circle (24).

Abstract (de)

Die Vorrichtung enthält eine ortsfest angeordnete Einheit (4), die eine Anordnung (22) mit einer Mehrzahl von Kanälen (26) und einer Mehrzahl von Düsen (31) zum Zuführen von Schussfäden (3) aufweist und eine mit dem Webrotor (1) rotierende Einheit (5) mit einer Mehrzahl von Injektordüsen (12), die dazu bestimmt sind, die den Kanälen zugeführten Schussfäden nacheinander abzuziehen und in das Webfach einzuspeisen. Diese Vorrichtung gewährleistet das Eintragen von Schussfäden unterschiedlicher Art und Ausführung. <IMAGE>

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- [AD] EP 0433216 A1 19910619 - SULZER AG [CH]
- [A] EP 0143860 A1 19850612 - RUETI AG MASCHF [CH]
- [A] EP 0685584 A1 19951206 - RUETI AG MASCHF [CH]

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