

Title (en)

LINEAR SHED MULTIPHASE LOOM WITH A WEAVING ROTOR

Publication

EP 0111071 B1 19870204 (DE)

Application

EP 83109389 A 19830921

Priority

CH 726482 A 19821214

Abstract (en)

[origin: US4498501A] At the weaving rotor there are arranged in alternating fashion in respect of a predetermined direction of rotation thereof beat-up combs for the weft threads and guide combs containing shed retaining elements for the upper shed position of the warp threads. In the running direction of the warp threads control means are provided in front of the weaving rotor for laterally deflecting and selectively allocating each warp thread to a shed retaining element. Each beat-up comb and each guide comb alternately includes first and second beat-up lamellae and first and second guide lamellae, respectively. Compared to the first beat-up and guide lamellae, the second beat-up lamellae and second guide lamellae each contain a recess at the location of the lamellae combs which first immerse into the warp threads during rotational movement of the weaving rotor. The lateral deflection of the warp threads due to the control means reaches a maximum after the immersion of either the first beat-up lamellae or the first guide lamellae. The warp threads are thus reliably introduced even with high warp thread densities and no warp introduction or threading errors can occur due to warp threads which skip and enter an adjacent tube.

IPC 1-7

D03D 47/00; **D03C 13/00**

IPC 8 full level

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CPC (source: EP US)

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EP 0111071 A2 19840620; **EP 0111071 A3 19850619**; **EP 0111071 B1 19870204**; CS 248713 B2 19870212; DD 213701 A5 19840919; DE 3369711 D1 19870312; JP H043456 B2 19920123; JP S602744 A 19850109; SU 1463136 A3 19890228; US 4498501 A 19850212

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