

Title (en)
LINEAR SHED MULTIPHASE WEAVING MACHINE WITH A WEAVING ROTOR

Publication
EP 0093078 B1 19870527 (DE)

Application
EP 83810099 A 19830309

Priority
CH 258882 A 19820428

Abstract (en)
[origin: US4487233A] A weaving rotor carries lamellae combs, the lamellae of which are provided with shed-retaining elements. Shedding rods which are stroke-wise displaceable in the warp direction are positioned forwardly of the weaving rotor to allocate each warp thread to a shed-retaining element determining either an upper shed or a lower shed. The shedding rods are formed by first racks, the tooth spaces or gaps of which serve as guide means for the warp threads. Thus, there is ensured as precisely as possible pitch or division of the guide means for the warp threads as well as an accurate reproducibility for the shedding rods. The lamellae are positioned on the weaving rotor by second racks having the desired pitch. The first and second racks correspond to each other and are identically designed. Consequently, there results the highest conformity between the lamellae pitch and the pitch of the warp threads, and thus, an optimally ordered run or course of the warp threads from the shedding rods to the weaving rotor. Additionally, manufacture and operation of the multiple longitudinal traversing shed weaving loom are rendered more economical.

IPC 1-7
D03D 47/00; **D03C 13/00**

IPC 8 full level
D03C 13/00 (2006.01); **D03D 41/00** (2006.01); **D03D 47/00** (2006.01)

CPC (source: EP US)
D03C 13/00 (2013.01 - EP US); **D03D 41/005** (2013.01 - EP US)

Cited by
EP0456599A1; EP0570330A1; US5431194A; EP0515306A1; US5188154A; KR100850729B1; EP0584433A1; EP0612875A1; US5441085A; EP0154148A1

Designated contracting state (EPC)
AT BE DE FR GB IT

DOCDB simple family (publication)
EP 0093078 A2 19831102; **EP 0093078 A3 19850529**; **EP 0093078 B1 19870527**; AT E27469 T1 19870615; CH 657876 A5 19860930; DE 3371802 D1 19870702; US 4487233 A 19841211

DOCDB simple family (application)
EP 83810099 A 19830309; AT 83810099 T 19830309; CH 258882 A 19820428; DE 3371802 T 19830309; US 48352683 A 19830411