

Title (en)

Improvement in the reed frame structure for weaving machine having magnetically-propelled shuttle

Title (de)

Verbesserung der Ladenstruktur für Webmaschine mit magnetisch bewegtem Projektil

Title (fr)

Perfectionnement de la structure du battant pour métier à tisser avec projectile propulsé magnétiquement

Publication

EP 0710736 A1 19960508 (EN)

Application

EP 94117340 A 19941102

Priority

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Abstract (en)

A reed frame structure for weaving machine having magnetically-propelled shuttle (24) is disclosed. The weaving machine has a shuttle traction device (23) with a magnet (231) pulling a shuttle with another magnet (241) oriented in an attracting manner with respect to the magnet of the shuttle for carrying a weft thread. The reed frame structure comprising: a shuttle guiding frame (61) having a generally hollow tubed structure with a formed shuttle traction channel (311) for housing the shuttle traction device (23) and allowing the shuttle traction device (23) to move back and forth therein; a reed (12) installed along one side of the shuttle guiding frame (61) having a number of parallel steel wires allowing a number of warp threads (34,35) passing therebetween; a pair of shuttle guiderails (13) each secured at one side of the shuttle traction channel (311) of the shuttle guiding frame (61), each of the shuttle guide rails (13) having a number of spacer plates (131) extending upright from the rail, whereby every consecutive two of the spacer plates (131) forming a spacer groove (132) for receiving respective ones of the warp threads (34,35). The reed frame structure further comprises a long and thin shuttle traction channel cover panel (5) installed on top of the shuttle guide rails for covering the shuttle traction channel, (311), in order to protect against intrusion of foreign objects therein. <IMAGE>

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Citation (search report)

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