

Title (en)

A SHUTTLE PAD ASSEMBLY, A SHUTTLE AND A CIRCULAR LOOM

Title (de)

SCHIFFCHENPADANORDNUNG, SCHIFFCHEN UND RUNDWEBMASCHINE

Title (fr)

ENSEMBLE DE PLAQUETTES DE NAVETTE, NAVETTE ET MÉTIER À TISSER CIRCULAIRE

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Application

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Abstract (en)

[origin: WO2021038388A1] Circular looms used to produce woven fabric employ shuttles that carry wound bobbins. Pressure generated by the pressure pad assemblies of the shuttle leads to damage to the pressure pad liner and the yarn resulting in loss or productivity and poor quality fabric. Shuttle pad assembly (SA) of invention has a pressure pad assembly (2) harmless to the yarn as well as to itself. Pressure pad assembly (2) has a tension arm (1) and a pressure pad liner (2A) mounted on a pressure pad receiver (2B). Tension arm (1) connects the pressure pad assembly (2) to a pivot mechanism (3) which is affixed to the shuttle body (SB). The pivot mechanism (3), is connected to a fixed support (5) through a tension spring (4). Pressure pad liner (2A) is made of hard wearing metals or coatings. The invention also discloses a shuttle that incorporates the shuttle pad assembly as disclosed here and a circular loom that deploys the shuttle carrying the shuttle pad assembly disclosed here.

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