

Title (en)
REED AND CIRCULAR LOOM

Title (de)
RUNDWEBMASCHINE

Title (fr)
ROS ET MÉTIER À TISSER CIRCULAIRE

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Abstract (en)
[origin: WO2019025043A1] The invention relates to a circular weaving machine (1), comprising a main axis (2e), a reed (2), a warp-band supply device (3a) for supplying warp bands (4), a weaving shuttle (12) circulating along the reed (2), wherein for guiding the weaving shuttle (12), the reed (2) is provided with the following: An upper reed ring (2a); a lower reed ring (2b); a plurality of reed rods (2f) connecting the upper reed ring (2a) to the lower reed ring (2b), between which interspaces (2g) for the passage of warp bands (4) are formed; an upper running surface (18) for two upper rollers (19; 19a; 19b) of the weaving shuttle; a lower running surface (20) for two lower rollers (21; 21a; 21b) of the weaving shuttle; upper warp band passage openings (25) and lower warp band passage openings (26) so that during the circulation of the weaving shuttle (12) along the reed (2), the two upper rollers (19; 19a; 19b) and the two lower rollers (21; 21a; 21b) do not come into contact with the warp bands, wherein the weaving shuttle (12) is provided with the following: A frame (30) having an upper longitudinal side (30a) and a lower longitudinal side (30b); a first upper roller (19a) and a second upper roller (19b) for rolling off at the upper running surface (18) of the reed (2); a first lower roller (21a) and a second lower roller (21b) for rolling off at the lower running surface (20) of the reed (2); at least two wheels (23, 24) for rolling off on a substantially vertical roll-off surface (2h) of the reed (2), wherein the first upper roller (19a) and the second upper roller (19b), and the first lower roller (21a) and the second lower roller (21b) are each arranged between the at least two wheels (23, 24; 23a, 23b; 24a, 24b), as viewed, in each case, in the longitudinal direction of the weaving shuttle (12).

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