

Title (en)
Braiding machine

Title (de)
Flechtmaschine

Title (fr)
Métier à tresser

Publication
EP 0726347 A3 19970129 (DE)

Application
EP 95118598 A 19951125

Priority
DE 4446559 A 19941224

Abstract (en)
[origin: EP0726347A2] A braiding machine esp. for the mfr. of wire and textile braids has, fixed on a frame (12), a pillar (13) which holds a slideway support (22) driven to rotate about an axis (33) with at least one lower reel (18). It also has an inner ring (36) which is driven to rotate in the opposite direction about the same axis with at least one upper reel (19). The slideway support and the inner ring are rigidly coupled together by a pair (39) of gear wheels. The gear wheel set is placed on a bracket (37) attached to the pillar. Pref. the rotating inner ring is placed directly on the pillar and the bracket rests axially on a pillar shoulder. The slideway support is arranged to rotate on upper and lower bearings, pref. ball races and the fixed bracket has a shoulder directed downwards which rests directly on the slideway support upper bearing and forms a pref. O-ring bearing arrangement with the lower bearing. The bracket has at least one rotation check (38), i.e. a screw clamp connection. The rigidly coupled gear pair has a wedge clamp connector activated by a releasable closure in at least one gear to shaft bearing connection where the closure has an encircling band which engages the ring wedge of the wedge clamp. The slideway support has, surrounding at least one of the gear wheels, at least one lubrication fluid region enclosed by a cover and a seal (56) and with a drain screw (57).

IPC 1-7
D04C 3/40

IPC 8 full level
D04C 3/40 (2006.01)

CPC (source: EP)
D04C 3/42 (2013.01)

Citation (search report)
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• [A] US 3362283 A 19680109 - PETROVICH DERGACHEV PETR, et al
• [AD] DE 8806229 U1 19890713

Cited by
CN100445448C; CN116423889A; US7802508B2; WO2007104224A1; WO03064747A1

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