

Title (en)
WEAVING SHAFT WITH RELEASABLE CORNER CONNECTORS

Title (de)
WEBSCHAFT MIT LÖSBAREN ECKVERBINDUNGEN

Title (fr)
LAME DE METIER A CORNIERE AMOVIBLE

Publication
EP 0513281 B1 19960221 (DE)

Application
EP 91920311 A 19911126

Priority
• CH 9100240 W 19911126
• DE 4038384 A 19901201

Abstract (en)
[origin: WO9209730A1] In the weaving shaft with releasable corner connectors a projection (2) on the side support (1) engages in the hollow space (3) in the shaft rod (4) and is secured by a clamping screw (5). The shaft rod (4) is made, preferably as a welded structure, of stable longitudinal sections (6, 7) and very thin side-walls (9, 10). In the shaft rod made up of the longitudinal sections and side-walls there is an insert (11) consisting of blocks (12, 13) parallel to the longitudinal sections and reinforcing walls (14, 15) secured thereto which have a wall thickness 3 to 6 times greater than the thin side-walls (9, 10). The thin side-walls of the shaft rod are firmly secured to the reinforcing walls (14, 15) of the insert (11), preferably by welding, so that the forces to be transferred during the operation of the loom from the side supports to the shaft rod are conducted to the thin shaft rod side-walls (9, 10) as tensile forces. The reinforcing walls and the thin side-walls of the shaft rod are subject only to tension and, despite their thin gauge, said side-walls cannot bulge. The projection (2) on the side support (1) is clamped only between the blocks (12, 13) of the insert (11).

IPC 1-7
D03C 9/06

IPC 8 full level
D03C 9/06 (2006.01)

CPC (source: EP US)
D03C 9/0675 (2013.01 - EP US); **Y10T 403/4602** (2015.01 - EP US)

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WO 9209730 A1 19920611; CN 1023498 C 19940112; CN 1062010 A 19920617; DE 4038384 A1 19920604; DE 4038384 C2 19921217; EP 0513281 A1 19921119; EP 0513281 B1 19960221; JP H05503743 A 19930617; US 5297589 A 19940329

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