

Title (en)
Warp passing method and device

Title (de)
Verfahren und Vorrichtung zum Einziehen von Kettfäden

Title (fr)
Procédé et dispositif pour passer des fils de chaîne

Publication
EP 0780500 A1 19970625 (DE)

Application
EP 96119267 A 19961202

Priority
CH 362495 A 19951221

Abstract (en)
Reaching-in of warp threads into the reed (13), healds (17) and drop wires (23) of a loom by a threading device (9) is carried out by taking the ends (3) of the warp threads singly to a transfer station (36) immediately in front of the reed (13) in a first motion. At this point they are picked up by the threading device (9) and threaded through in a second motion (12). Preferably in the first motion (5) the warp thread ends (3) are picked up by clamps (8) attached to an endless chain (4) and taken round a peg (7) ready to be picked up by the threading hook (9). The clamps (8) are opened and closed as they pass cam rails and the threads form a staggered sequence (39) in a plane parallel to the motion (12) of the threading hook (9). The hook (9) moves at several times the speed of the first motion and is synchronised with the movement of the components to be threaded along a path (22) transverse to the hook motion.

Abstract (de)
Die Erfindung betrifft ein Verfahren und eine Vorrichtung zum Einziehen von Kettfäden in Geschirrrorgane einer Webmaschine, mit einem eine Hubbewegung (12) ausführenden Einziehorgan (9) und mit mindestens einer Fördervorrichtung für Geschirrrorgane (16, 17, 23 - 27). Um die Leistung solcher Vorrichtungen steigern zu können, soll das Einziehorgan zur Durchführung einer Hubbewegung (12) ausgebildet sein, die im Vergleich zu der Länge der Kettfäden kurz ist. <IMAGE>

IPC 1-7
D03J 1/14

IPC 8 full level
D03J 1/14 (2006.01)

CPC (source: EP KR US)
D03J 1/02 (2013.01 - KR); **D03J 1/14** (2013.01 - EP KR US)

Citation (applicant)
• CH 682577 A5 19931015 - ZELLWEGER USTER AG [CH]
• WO 9205303 A1 19920402 - ZELLWEGER USTER AG [CH]

Citation (search report)
• [A] CH 680076 A5 19920615 - ZELLWEGER USTER AG
• [A] US 3787938 A 19740129 - CRANDALL C, et al
• [A] FR 2285482 A1 19760416 - DORNIER GMBH LINDAUER [DE]
• [A] EP 0421943 A1 19910410 - EL & M SRL [IT]
• [AD] CH 682577 A5 19931015 - ZELLWEGER USTER AG [CH]
• [AD] WO 9208830 A1 19920529 - ZELLWEGER USTER AG [CH]

Cited by
CN106737367A; CN104233596A; CN108588986A; CN104894734A

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IE IT LI NL PT

DOCDB simple family (publication)
EP 0780500 A1 19970625; **EP 0780500 B1 20010404**; AT E200313 T1 20010415; CH 690783 A5 20010115; DE 59606712 D1 20010510; ES 2158218 T3 20010901; JP H09209245 A 19970812; KR 970043448 A 19970726; PT 780500 E 20010928; TW 379263 B 20000111; US 5794319 A 19980818

DOCDB simple family (application)
EP 96119267 A 19961202; AT 96119267 T 19961202; CH 362495 A 19951221; DE 59606712 T 19961202; ES 96119267 T 19961202; JP 33620196 A 19961113; KR 19960063785 A 19961210; PT 96119267 T 19961202; TW 85115845 A 19961221; US 77089696 A 19961220