

Title (en)

Warp control apparatus for a loom

Title (de)

Kettfädensteuervorrichtung für Webmaschinen

Title (fr)

Dispositif de commande des fils de chaîne pour métier à tisser

Publication

EP 0544527 B1 19970502 (EN)

Application

EP 92310812 A 19921126

Priority

JP 33796491 A 19911128

Abstract (en)

[origin: EP0544527A1] A warp control apparatus for a loom having a control rod retention device (4, 9, 11, 15) for selective engagement and retention of an end portion of a reciprocating control rod (14), in which said control rod retention device includes a finger (9) provided with a hook portion (91) or an aperture which can be selectively brought into engagement with the end portion of said control rod (14) to retain it and a piezo-electric body (2) having a piezo-electric element (200, 210). One end portion of the piezo-electric body (2) is movably supported on the control rod retention device (4) and the other end portion thereof is movably connected to the finger (9), and an intermediate portion between the one end portion of said piezo-electric body and the other end portion thereof is fixed to a rotatable member (16) rotatably mounted on the control rod retention device (15). This provides a device which is high in response speed, small in size, low in power consumption, prolonged in lifetime and only requires a low applied voltage. <IMAGE>

IPC 1-7

D03C 3/20

IPC 8 full level

D03C 3/20 (2006.01); **D03C 13/00** (2006.01)

CPC (source: EP KR)

D03C 3/20 (2013.01 - EP); **D03D 49/04** (2013.01 - KR)

Cited by

EP0860527A3; EP0612873A1; EP1037288A3; EP0801160A1; BE1010134A3; US5813441A; US5819813A; EP0784349A1; GB2290310A; US5533366A; GB2290310B; US6371170B1; WO2005028723A3; WO0017432A1

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EP 0544527 A1 19930602; **EP 0544527 B1 19970502**; CN 1026713 C 19941123; CN 1074254 A 19930714; JP H05148732 A 19930615; JP H07100895 B2 19951101; KR 930010270 A 19930622

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