

Title (en)
Warp knitting machine with Jacquard-control

Title (de)
Kettenwirkmaschine mit Jacquard-Steuerung

Title (fr)
Métier à tricoter chaîne à commande-Jacquard

Publication
EP 0583631 B1 19960612 (DE)

Application
EP 93111569 A 19930720

Priority
DE 4226899 A 19920814

Abstract (en)
[origin: JPH06166934A] PURPOSE: To enable high-speed control of a jacquard with compact constitution by impressing control voltage to piezoelectric transducers by each of respective knitting cycles in accordance with pattern data and applying desired displacement to guide needles. CONSTITUTION: The jacquard controller of a warp knitting machine 1 having guide needles 3, 4 and 5 mounted at guide bars 6, 7 and 8 constituted movably back and forth for the purpose of desired underlap and overlap by knitting needles 2 arranged in one row and a patterning device inputs the output signal of a rotating angle detector 14 to a computer 15 and outputs control signals via a control line 12 to the piezoelectric transducers 9 and 10 constituted as bending transducers disposed at the knitting needles 5 at each of respective knitting cycles in accordance with the pattern data of a pattern memory device 16 belonging to this computer 15, thereby impressing the control voltage to the transducers. The desired displacement is thus imparted to the guide needles 3, 4 and 5 and the jacquard is controlled.

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D04B 27/32

IPC 8 full level
D03C 3/20 (2006.01); **D04B 27/32** (2006.01)

CPC (source: EP KR US)
D03C 3/20 (2013.01 - KR); **D04B 27/02** (2013.01 - EP US); **D04B 27/32** (2013.01 - EP KR US)

Cited by
GB2283501A; GB2283501B; FR2718159A1; GB2289063A; DE4414876A1; US5628210A; GB2289063B; GB2290310A; US5533366A; GB2290310B; EP3910101A1; EP0690161B1; EP3139391A1; DE102015114734A1; DE102015114734B4

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