

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.

IPC 1-7  
**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

Designated contracting state (EPC)  
CH DE ES FR GB IT LI

DOCDB simple family (publication)  
**DE 4226899 C1 19940113**; DE 59302891 D1 19960718; EP 0583631 A1 19940223; EP 0583631 B1 19960612; ES 2089649 T3 19961001; JP H06166934 A 19940614; KR 940004112 A 19940314; KR 960000085 B1 19960103; US 5390512 A 19950221

DOCDB simple family (application)  
**DE 4226899 A 19920814**; DE 59302891 T 19930720; EP 93111569 A 19930720; ES 93111569 T 19930720; JP 20048393 A 19930812; KR 930015747 A 19930814; US 10436993 A 19930809