

Title (en)

Selector of bimorphous piezoelectric cell type for needles of textile machine.

Title (de)

Auswahlorgan vom bimorphen piezo-elektrischen Zelltyp für Nadeln von Textilmaschinen.

Title (fr)

Sélecteur de type cellule piézo-électrique bimorphe pour aiguilles d'une machine textile.

Publication

EP 0335099 A1 19891004 (EN)

Application

EP 89102929 A 19890220

Priority

IT 1962088 A 19880302

Abstract (en)

A selector for use in textile machines, in particular for forming hosiery and knitwork and comprising a series of needles (1) disposed peripherally on a rotary drum (2) or on a fixed bed and arranged, when selected, to intercept textile yarns in order to obtain an article with particular patterns and/or colours. The selector comprises a bimorphous piezoelectric cell (8) of known type clamped at one end (12) between support elements of insulating material and carrying at its free end an arm (17) operating on an oscillating cam (21) which, following the passage of current within said piezoelectric cell (8) and its consequent deflection, acts on said needles (1) to cause their selection and/or deselection and obtain the particular pattern and/or colour required on the finished fabric.

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IPC 8 full level

D04B 15/82 (2006.01); **D04B 15/78** (2006.01)

CPC (source: EP)

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Citation (search report)

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Cited by

ES2178518A1; ES2206000A1; GB2229198A; GB2229198B; EP0796939A1; US5823015A

Designated contracting state (EPC)

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