

Title (en)

Control module for controlling the needles of a knitting machine

Title (de)

Steuermodul zur Steuerung der Nadeln einer Wirk- oder Strickmaschine

Title (fr)

Module de commande pour commander les aiguilles d'un métier à tricoter

Publication

**EP 0860529 A3 20000322 (DE)**

Application

**EP 98102296 A 19980210**

Priority

DE 19706755 A 19970220

Abstract (en)

[origin: EP0860529A2] A controller has a piezoelectric bending transducer (2). The transducer has a flat support (3), which has a piezoelectrically active sheet (4) on one side and is fixed to a housing (1) at one end (5). The ratio of its free length (30) to its thickness (31) is 40-70.

IPC 1-7

**D04B 15/78**

IPC 8 full level

**D04B 15/78** (2006.01); **H02N 2/00** (2006.01); **H02N 2/02** (2006.01)

CPC (source: EP)

**D04B 15/78** (2013.01)

Citation (search report)

- [DA] DE 3933149 A1 19900412 - WAC DATA SERVICES CO LTD [JP]
- [DA] EP 0210790 A2 19870204 - WATANABE KUTSUSHITA KOGYO [JP]
- [A] DE 4442555 A1 19960605 - MAYER TEXTILMASCHF [DE]
- [DA] FR 2224576 A1 19741031 - MAYER & CIE MASCHINENFABRIK [DE]
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Cited by

DE19919543C1; EP1037288A3

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0860529 A2 19980826; EP 0860529 A3 20000322; EP 0860529 B1 20030502**; AT E239115 T1 20030515; DE 19706755 A1 19980827; DE 59808110 D1 20030605; JP H10245752 A 19980914

DOCDB simple family (application)

**EP 98102296 A 19980210**; AT 98102296 T 19980210; DE 19706755 A 19970220; DE 59808110 T 19980210; JP 5580598 A 19980220