

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]
- [PA] DE 19635929 A1 19970710 - SIEMENS AG [DE]

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