

Title (en)
ELECTRO-MAGNETICAL DEVICE FOR LOOMS

Publication
EP 0344100 B1 19920708 (DE)

Application
EP 89810294 A 19890419

Priority
CH 193488 A 19880520

Abstract (en)
[origin: EP0344100A1] In an electromagnetic device which will be of versatile use in a loom, a coil (8) connectable to an electrical line (9) is assigned a pole body (5). This pole body (5) is itself assigned a leaf-spring strip (11) mounted fixedly at one end, the pole body (5) having a bearing surface (10) for the leaf-spring strip (11). In the non-attracted state where there is no magnetic field, the leaf-spring strip (11) is so arranged obliquely relative to the bearing surface (10) that, when a magnetic field builds up in the coil (8) and the pole body (5), first the end region of the leaf-spring strip (11) comes to bear on the bearing surface (10) of the pole body (5) and, as the magnetic field intensifies, ever larger regions of the leaf-spring strip (11) come to rest on the pole body (5). As a result of this arrangement, the two initial speeds at which the leaf-spring strip (11) is moved both when a voltage is applied to the coil (8) and when it is cut off are relatively high. <IMAGE>

IPC 1-7
B65H 59/22; D03D 47/34

IPC 8 full level
D03D 47/28 (2006.01); **D03D 47/30** (2006.01); **D03D 47/34** (2006.01); **D03D 47/36** (2006.01); **H01F 7/14** (2006.01)

CPC (source: EP US)
D03D 47/363 (2013.01 - EP US)

Cited by
EP0436197A3; EP0521819A1; EP0953664A1; EP0699790A1; US5590693A

Designated contracting state (EPC)
BE DE FR GB IT SE

DOCDB simple family (publication)
EP 0344100 A1 19891129; EP 0344100 B1 19920708; DE 58901799 D1 19920813; JP 2788058 B2 19980820; JP H0219547 A 19900123; US 5007464 A 19910416

DOCDB simple family (application)
EP 89810294 A 19890419; DE 58901799 T 19890419; JP 12655489 A 19890519; US 35216889 A 19890515