

Title (en)
SHEDDING MECHANISM FOR LOOMS

Publication
EP 0098428 B1 19870826 (DE)

Application
EP 83105925 A 19830616

Priority
CH 402582 A 19820701

Abstract (en)
[origin: ES8405453A1] Two rods are provided which are reciprocal between two end positions cooperating with two flexible retaining members, an electromagnet is located between the retaining members, the electromagnet includes a core having two flanged sections of different widths, an armature body each is mounted to the retaining members, the armature bodies are arranged such that they on the one hand abut flatly the border of the two flanged sections and such that on the other hand an air gap is provided between each armature body and the narrower of the flange sections, if the knife moves a rod toward its upper position the retaining member is deflected such to adjust the air gap prevailing between the narrower flange section of the electromagnet and the armature body to a predetermined value, and in operation this control means has two exactly defined control instances during which the deflection of the retained members proceed definitely toward the correct side regarding the function and the power consumption of the electromagnet is thereby extremely low and the heating thereof during operation is decreased.

IPC 1-7
D03C 3/20

IPC 8 full level
D03C 3/20 (2006.01); **D03C 3/24** (2006.01); **D03C 3/40** (2006.01); **D03C 13/00** (2006.01); **D03C 19/00** (2006.01)

CPC (source: EP US)
D03C 3/20 (2013.01 - EP US)

Cited by
EP0494044A1; EP0214073A1; EP0188074A1; EP0439440A1; EP0219437A1; FR2587045A1; WO9910576A1; WO2017206278A1; EP0099254B1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0098428 A2 19840118; EP 0098428 A3 19841212; EP 0098428 B1 19870826; CH 657162 A5 19860815; DE 3373198 D1 19871001; ES 523720 A0 19840601; ES 8405453 A1 19840601; JP H0214450 B2 19900409; JP S5926543 A 19840210; US 4515186 A 19850507

DOCDB simple family (application)
EP 83105925 A 19830616; CH 402582 A 19820701; DE 3373198 T 19830616; ES 523720 A 19830630; JP 11838983 A 19830701; US 50677183 A 19830622