

Title (en)
SHEDDING MECHANISM FOR LOOMS

Publication
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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.

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D03C 3/20

IPC 8 full level
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CPC (source: EP US)
D03C 3/20 (2013.01 - EP US)

Citation (search report)

- [A] DE 2204815 A1 19730802 - MUELLER JAKOB
- [A] FR 1380967 A 19641204 - OERLIKON BUEHRLE AG
- [A] FR 1554517 A 19690117
- [AD] GB 2047755 A 19801203 - BONAS MACHINE CO

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

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