

Title (en)

Coupling-system for operating the heald frames in a loom.

Title (de)

Kupplungsanordnung zum Steuern der Schäfte einer Webmaschine.

Title (fr)

Dispositif d'accouplement pour la commande des cadres d'un métier à tisser.

Publication

EP 0082907 A1 19830706 (DE)

Application

EP 81810518 A 19811228

Priority

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Abstract (en)

In the coupling arrangement, before any selection all the armatures (53) are brought directly up against the respective associated electromagnet (51) by the cam shaft (92) having a flattened portion (91). Thereupon, only those electromagnets (51) in which the armatures (53) are to remain pulled up are made live. When the cam shaft (92) rotates in reverse, the flattened portion (91) comes in front of the armatures (53) again. Those armatures (53), the associated electromagnets (51) of which are non-energised, are thereby transferred under the effect of the spring (69) into the spaced position shown in Figure 2. During the next sensing by the arm (33), its upward movement is blocked (detent position 33a). The sinker (23) thereby continues to be held in the region of the lifting knife (25) and is moved to and fro by this. The electromagnets (51) can consequently be made relatively small, and the stroke of the armatures (53) can be kept relatively large to ensure an increased safety of the mode of operation of the tracer (33). Because of the smaller size of an electromagnet, its magnetic field cannot become effective in the region of an arm (33) belonging to the adjacent magnet. <IMAGE>

IPC 1-7

D03C 1/00

IPC 8 full level

D03C 1/00 (2006.01)

CPC (source: EP)

D03C 1/00 (2013.01)

Citation (search report)

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- [L] EP 0047791 A1 19820324 - SULZER AG [CH]
- [A] DE 2741200 A1 19790201 - SULZER AG

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Designated contracting state (EPC)

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