

Title (en)

Selection device, three-position shedding mechanism and loom with such a mechanism

Title (de)

Auswahlvorrichtung, Dreipositions- Fachbildungsmechanismus und Webmaschine mit einem solchen Fachbildungsmechanismus

Title (fr)

Dispositif de sélection, mécanique d'armure à trois positions et métier à tisser équipé d'une telle mécanique d'armure

Publication

EP 0899367 B1 20020619 (FR)

Application

EP 98420147 A 19980828

Priority

FR 9711031 A 19970901

Abstract (en)

[origin: EP0899367A1] The device for mechanical selection of the harness for the weaving pattern in a loom, with three positions, has an assembly of two electromagnets (8,9) for energized selection. There is at least one pair of swing levers (10,11,10',11') at the same side as the electromagnets, each with a magnetic fitting (15,16,15',16') to work selectively with the electromagnets. Each lever has a projection (30,31,30'.31') to immobilize a hook (1,2,1',2') of a pair of hooks to be shifted together with a griffe (3). The lever projections (30,31,30'.31') are positioned to act with the hooks (1,2,1',2'). The levers swing on axes (12,13,12',13') in a central zone (C) near the electromagnets (8,9). One lever (10), on a swing axis (12), has the electromagnetic fittings (15,15') on one leg (10a) and the projection (30) is at the other leg (10b) of the lever (10). A second lever (11) has movement in only one direction on its swing axis (13). The gap (d) between the projections (30,31) of the two levers is larger than when one of the electromagnets is energized than when one of them is not energized. Return springs (20,21,20',21') act on the levers (10,11,10',11') to bring their projections together. Each of the hooks has an opening (1a,2a,1a',2a') to take the lever projections facing each other.

IPC 1-7

D03C 3/20; **D03C 3/12**

IPC 8 full level

D03C 3/12 (2006.01); **D03C 3/20** (2006.01)

CPC (source: EP US)

D03C 3/12 (2013.01 - EP US); **D03C 3/20** (2013.01 - EP US)

Cited by

EP1111107A1; BE1013193A3; US6336478B2; EP1619279A1; EP4015686A1; FR3118069A1; EP4015687A1; FR3118070A1; US11702771B2

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