

Title (en)

Method and device for the selection of the mobile hooks of a shedding mechanism and jacquard loom

Title (de)

Verfahren und Vorrichtung zur Wahl der beweglichen Haken einer Fachbildungsvorrichtung sowie Jacquardwebmaschine

Title (fr)

Procédé et dispositif de sélection des crochets mobiles d'un mécanisme de formation de la foule et métier à tisser du type jacquard

Publication

EP 0823501 B2 20080227 (FR)

Application

EP 97420133 A 19970728

Priority

FR 9610083 A 19960806

Abstract (en)

[origin: EP0823501A1] In the selection of the moving hooks, in the shed harness of a Jacquard loom, a force (F3) is applied to the hook (9) at or near its top dead position to move it towards the bottom dead position. Also claimed is a hook selection mechanism, which has elastic butts (20,21) which give the force (F3) applied to the hook (9) at or near its top dead position to move it towards the bottom dead position. Preferably the force (F3) is equal to the friction forces (F1,F2) produced by the grip (15,24) on the needle (9) and the inertia forces. Two hooks (9) are displaced alternately by two griffes (10) in opposing phases. Elastic butts (20,21), acting on the hooks, have a lever which can be moved against spring pressure by the hook (9) on reaching its top dead position through the action of the hook on the lever shape. The lever (20) is a simple support, to turn on two axes (21) under spring pressure, which can be a torsion spring. The elastic butts (20,21) are part of the module forming the election system of a number of modules side by side with the hooks.

IPC 8 full level

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CPC (source: EP KR US)

D03C 3/16 (2013.01 - KR); **D03C 3/24** (2013.01 - EP US)

Citation (opposition)

Opponent :

- EP 0408076 A1 19910116 - WIELE MICHEL VAN DE NV [BE]
- EP 0374279 A1 19900627 - GROSSE WEBEREIMASCHINEN GMBH [DE]
- DD 283429 A5 19901010 - GROSSE WEBEREIMASCHINEN GMBH [DE]
- US 5010927 A 19910430 - KEIM WALTER [DE]

Cited by

US7017618B2; EP1136603A1; BE1013353A5; EP1852531A1; FR2900666A1; EP1413657A1; FR2846343A1; US7490633B2; US6382263B2; EP4015686A1; FR3118069A1; EP4015687A1; FR3118070A1; US11702771B2

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