

Title (en)  
Controlled weft thread feeding and clamping device for weaving machines

Title (de)  
Steuerbare Schussfadenzubringer- und -klemmvorrichtung für Webmaschinen

Title (fr)  
Dispositif contrôlé d'amenée et de pincement de fil de trame pour métiers à tisser

Publication  
**EP 1016745 A3 20040303 (DE)**

Application  
**EP 99119334 A 19990929**

Priority  
DE 19852794 A 19981116

Abstract (en)  
[origin: US6119733A] A weft thread clamp for a weft thread presenting lever is positively actuated to selectively open or close the clamp and thereby release or hold the weft thread respectively. To achieve this, a second clamp element is movable or deflectable relative to a first clamp element of the clamp. The movable second clamp element may be directly embodied as an actuator, or may be driven by an actuating motion provided by an actuator located remotely from the clamp on the lever. In the latter case, a motion transmission arrangement such as a sheathed push-pull cable or a rod linkage operatively connects the actuator to the movable second clamp element. The actuator may be a piezoelectric, electromagnetic, hybrid pneumatic-electric, or hybrid hydraulic-electric device, or an electric motor. The loom control unit is connected to the actuator for providing control signals thereto.

IPC 1-7  
**D03D 47/38**

IPC 8 full level  
**D03D 47/12** (2006.01); **D03D 47/38** (2006.01)

CPC (source: EP US)  
**D03D 47/125** (2013.01 - EP US); **D03D 47/38** (2013.01 - EP US)

Citation (search report)

- [AD] DE 29716310 U1 19980409 - DORNIER GMBH LINDAUER [DE]
- [A] DE 3042053 C1 19821111 - DORNIER GMBH LINDAUER
- [A] EP 0863237 A1 19980909 - MOIA IVO [IT]
- [A] EP 0299553 A1 19890118 - PICANOL NV [BE]
- [A] EP 0644286 A1 19950322 - RUETI AG MASCHF [CH]
- [A] EP 0690160 A1 19960103 - TOYODA AUTOMATIC LOOM WORKS [JP]

Cited by  
US7007723B2; CN105696188A; EP1266986A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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