

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 B1 20051123 (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.

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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)

Cited by
US7007723B2; CN105696188A; EP1266986A1

Designated contracting state (EPC)
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US 6119733 A 20000919; AT E310843 T1 20051215; DE 19852794 A1 20000518; DE 19852794 B4 20040325; DE 59912825 D1 20051229; EP 1016745 A2 20000705; EP 1016745 A3 20040303; EP 1016745 B1 20051123; JP 2000154444 A 20000606

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