

Title (en)

Device for separating a weft thread to be inserted in a shed and loom with such a device

Title (de)

Vorrichtung zum Abtrennen eines in ein Webfach einzutragenden Schussfadens und Webmaschine mit einer derartigen Vorrichtung

Title (fr)

Dispositif pour séparer un fil de trame devant être inséré dans une foule, ainsi que métier à tisser équipé d'un tel dispositif

Publication

EP 1020550 B1 20040721 (DE)

Application

EP 99811111 A 19991202

Priority

- EP 99811111 A 19991202
- EP 99810015 A 19990112

Abstract (en)

[origin: EP1020550A1] The apparatus to cut the weft yarn, at a gripper loom, has a clamp (1) with a fixed clamping section (4) and an adjustable clamping section (5) to hold the weft yarn back. A cutter (2) severs the weft after release by the clamp. The adjustable clamping section is a leaf spring (5) or a clamping pad which swings in relation to a fixed clamping pad. The clamping unit has a setting system to alter the position of the adjustable clamping section (5) and the force it applies on the clamped weft, using a setting screw or a linear motor (14). The cutter has a fixed blade and a rotating blade (12) or a moving blade fitted with a section to hold the weft against the fixed blade.

IPC 1-7

D03D 47/34

IPC 8 full level

D03D 47/34 (2006.01)

CPC (source: EP)

D03D 47/125 (2013.01); **D03D 47/34** (2013.01); **D03D 49/70** (2013.01)

Cited by

EP1918437A1; US5013248A; CN112424406A; US11319650B2; WO2020065685A1; WO2005047584A1; US7584769B2; TWI732251B

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