

Title (en)

Process for cutting an inserted weft and cutting device.

Title (de)

Verfahren zum Abtrennen eines eingetragenen Schussfadens und Trennvorrichtung.

Title (fr)

Procédé pour couper un fil de trame inséré et dispositif de coupage.

Publication

EP 0284766 A1 19881005 (DE)

Application

EP 88102500 A 19880220

Priority

BE 8700224 A 19870309

Abstract (en)

[origin: US4834145A] A method and apparatus for cutting a weft thread are disclosed in which a completely separate, independent drive system for the weft thread cutter and clamping device enables the cutting time to be optimized without affecting the main drive system for the loom. By using its own, independent drive system, which is completely independent of the main loom drive, the cutter can be actuated at any time during the loom cycle. The cutter and clamp drive system is controlled by a computer, which may be programmed to determine the optimum cutting time as a function of the weaving parameters and the weft thread data. A device may be provided to detect an improperly inserted weft thread. Once this has been detected, the computer may deactivate the cutting device to prevent the separation of the improperly inserted weft thread from the weft thread supply.

Abstract (de)

Zum Abtrennen eines eingetragenen Schußfadens (17) von einem bereitgehaltenen Schußfaden wird in einer Webmaschine eine Trenneinrichtung (4) vorgesehen, die mittels eines eigenen, von dem Hauptmaschinenantrieb unabhängigen Antriebs (11) betätigt wird. Der Antrieb (11) ist mittels einer programmierbaren Steuerung (12) gesteuert.

IPC 1-7

D03D 47/36; **D03D 49/70**

IPC 8 full level

D03D 47/36 (2006.01); **D03D 49/70** (2006.01)

CPC (source: EP US)

D03D 47/125 (2013.01 - EP US); **D03D 47/308** (2013.01 - EP US); **D03D 49/70** (2013.01 - EP US)

Citation (search report)

- [A] NL 271419 A
- [A] EP 0207470 A2 19870107 - NISSAN MOTOR [JP]
- [A] DE 1560637 A1 19701001 - ZELLWEGE USTER AG
- [AD] US 4531555 A 19850730 - TATEMATSU HIROYUKI [JP], et al
- [AD] US 4134434 A 19790116 - MALASEK JAROMIR, et al

Cited by

BE1016183A3; EP0839938A1; EP1136606A1; EP0751247A3; EP0953664A1; BE1012999A3; US5322090A; US6014992A; EP1447465A3; EP0679744A1; DE19713089A1; DE19713089C2; EP0867543A3; EP1367158A1; DE10224079B3; CN1061714C; EP0683256A1; US5575314A; US6450210B2; US6301519B1; US6223779B1; EP2098625A1; WO2006027240A1; WO9929946A1; WO9713901A1; WO9845517A1; WO2007105240A1

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0284766 A1 19881005; **EP 0284766 B1 19910515**; BE 1000369 A4 19881108; DE 3862789 D1 19910620; ES 2022486 B3 19911201; JP 2793592 B2 19980903; JP S63235551 A 19880930; US 4834145 A 19890530

DOCDB simple family (application)

EP 88102500 A 19880220; BE 8700224 A 19870309; DE 3862789 T 19880220; ES 88102500 T 19880220; JP 5592388 A 19880309; US 16383688 A 19880303