Title (en)

Control method and apparatus for disposing a defective weft in a shuttleless loom.

Title (de)

Kontrollverfahren und Vorrichtung zum Entfernen von fehlerhaften Schussfäden in einer schützenlosen Webmaschine.

Title (fr)

Procédé et dispositif de contrÔle pour l'extraction de fils de trame défectueux d'un métier à tisser sans navette.

Publication

EP 0547002 A1 19930616 (EN)

Application

EP 92811000 A 19921214

Priority

JP 35144091 A 19911212

Abstract (en)

To prevent a defective weft at the fabric side from being cut, when the defective weft is to be disposed, and to prevent the weft from coming out of the main nozzle and the reserved weft to be measured from being disturbed. In control method and apparatus for disposing a defective weft in a shuttleless loom, when failure in weft insertion is detected by a weft detecting device (6) which is arranged upon the opposite end of weft insertion, a blow nozzle (71) injects compressed air into a weft guiding duct (72), and guides the defective weft into the duct. Then a nip roller (8) holds the defective, and a cutter (9) cuts the weft. After this, the nip roller (8) pulls out and removes the weft. After the nip roller (8) holds the defective weft, it rotates round preliminarily in the direction according to the kinds of yarns, and controls the condition of the defective weft. Then the cutter (9) cuts the controlled weft. <IMAGE>

IPC 1-7

D03D 47/30

IPC 8 full level

D03D 51/00 (2006.01); **D03D 51/08** (2006.01)

CPC (source: EP)

D03D 51/085 (2013.01)

Citation (search report)

- [A] EP 0200168 A2 19861105 - TSUDAKOMA IND CO LTD [JP]
- [A] US 4890650 A 19900102 - MITSUYA KINPEI [JP]
- [A] US 4749006 A 19880607 - MIYAMOTO OSAMU [JP]
- [AD] Section Ch, Week 8738, 12 August 1987 Derwent Publications Ltd., London, GB; Class F02, AN A05 & JP-A-62 184 146 (TSUDAKOMA)

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DOCDB simple family (application)

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