

Title (en)

Method to automatically pull out a broken weft yarn from the shed in air looms and pneumomechanical device used in said method.

Title (de)

Verfahren zum automatischen Entfernen eines falschen Schussfadens aus dem Webfach einer Luftwebmaschine und für dieses Verfahren verwendete pneumomechanische Vorrichtung.

Title (fr)

Procédé pour retirer automatiquement un fil de trame cassé de la foule sur un métier à tisser à jet d'air et dispositif pneumomécanique utilisé dans ce procédé.

Publication

**EP 0534541 A1 19930331 (EN)**

Application

**EP 92202872 A 19920918**

Priority

IT MI912464 A 19910918

Abstract (en)

Method to automatically pull out a faulty weft from the shed in air looms. In case of a faulty weft, the cutting of the yarn (2) is prevented and a double weft is simultaneously fed into the shed (3). The loop (7) thus formed is conveyed to the outlet of the shed (3) by an air stream, inside a pneumomechanical device (10) positioned at loom outlet. Said device (10) comprises an inner duct (13) into which blows the air stream conveying the faulty weft yarn, yarn gripping and intermittent drawing members (15) positioned downstream of and across said duct (13), and devices (19, 21) to protect from dirt the yarn detection optical sensor (18). <IMAGE>

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IPC 8 full level

**D03D 51/08** (2006.01)

CPC (source: EP)

**D03D 51/085** (2013.01)

Citation (search report)

- [XD] EP 0309013 A1 19890329 - PICANOL NV [BE]
- [AD] NL 8602191 A 19880316 - PICANOL NV
- [AD] EP 0200168 A2 19861105 - TSUDAKOMA IND CO LTD [JP]
- [A] US 4890650 A 19900102 - MITSUYA KINPEI [JP]

Cited by

CN115821459A; EP0867544A1; DE19521106A1; EP0747519A3; BE1023294B1; EP0976859A1; EP0747520A3; US5746256A; KR100266959B1

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