

Title (en)

Method and apparatus for detecting weft in loom

Title (de)

Verfahren und Vorrichtung zum Detektieren des Schussfadens in einer Webmaschine

Title (fr)

Méthode et dispositif pour détecter la trame dans un métier à tisser

Publication

EP 1445365 A3 20050309 (EN)

Application

EP 03028141 A 20031205

Priority

JP 2003013425 A 20030122

Abstract (en)

[origin: EP1445365A2] There are disclosed a method and an apparatus capable of carrying out an accurate weft detection corresponding to the yarn sort of a weft to be inserted and also capable of judging the presence/absence of a defective weft inserting with accuracy. In the method, at least one of judgment conditions used for judging the presence/absence of the defective weft inserting are set in advance with regard to each yarn sort of the weft, and when carrying out the judgment, at least one of judgment conditions corresponding to each yarn sort of the weft to be inserted are selected and the presence/absence of the defective weft inserting is judged by using the selected judgment condition and a signal from a weft detecting device. The apparatus faithfully carries out this method. <IMAGE>

IPC 1-7

D03D 51/34

IPC 8 full level

D03D 51/34 (2006.01)

CPC (source: EP KR)

D03D 51/34 (2013.01 - EP KR)

Citation (search report)

- [X] US 5031669 A 19910716 - WAHHOUD ADNAN [DE], et al
- [X] EP 1036869 A1 20000920 - LGL ELECTRONICS SPA [IT]
- [A] US 4708173 A 19871124 - YOSHIDA TOSHIO [JP] & DATABASE WPI Section Ch Week 199110, Derwent World Patents Index; Class F03, AN 1991-070338
- [X] PATENT ABSTRACTS OF JAPAN vol. 015, no. 043 (C - 0801) 31 January 1991 (1991-01-31)
- [X] PATENT ABSTRACTS OF JAPAN vol. 015, no. 137 (C - 0821) 5 April 1991 (1991-04-05)
- [PX] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 08 6 August 2003 (2003-08-06)
- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 678 (C - 1290) 20 December 1994 (1994-12-20)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07 29 September 2000 (2000-09-29)
- [DA] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 04 31 May 1995 (1995-05-31)
- [DA] DATABASE WPI Section Ch Week 198639, Derwent World Patents Index; Class F03, AN 1986-256375, XP002313640

Cited by

DE102009035904A1; WO2011015178A1; CN102471959A

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DOCDB simple family (application)

EP 03028141 A 20031205; CN 200310117209 A 20031208; DE 60321534 T 20031205; JP 2003013425 A 20030122; KR 20030091840 A 20031216