Title (en)

Method of determining defect in weft supply package in fluid jet loom

Title (de)

Verfahren zur Fehlerdetektion in Schussfadenspulen in Düsenwebmaschinen

Title (fr)

Procédé de détection de défauts dans le paquet d'approvisionnement de fil de trame dans un métier à tisser à jet de fluide

Publication

EP 1775359 B1 20130123 (EN)

Application

EP 06018643 A 20060906

Priority

JP 2005301288 A 20051017

Abstract (en)

[origin: EP1775359A2] In a fluid jet loom (1), values that are based on weft signal generation timings generated from a weft sensor (18 or 28) and that are obtained when a normally operating weft supply package (10), used for supplying weft, is used are successively calculated according to respective predetermined operating period parts, and standard threshold values for determining a defect in the weft supply package (10) are determined on the basis of these values according to the predetermined operating period parts while making allowance for an allowable range, and are previously stored as threshold-value information corresponding to passage of the operating period. Thereafter, when a weft supply package (10) of a same weft type is used, a standard threshold value corresponding to an operating period part is read out from the stored threshold-value information, and the value based on the weft signal generation timings generated from the weft sensor (18 or 28) is calculated, the calculated value based on the weft signal generation timings and the read out standard threshold value corresponding to the operating period part are compared with each other, and a determination is made as to whether or not a defect has occurred in the currently used weft supply package from a magnitude relationship obtained from the comparison.

IPC 8 full level

D03D 47/36 (2006.01); **D03D 47/30** (2006.01); **D03D 47/34** (2006.01); **D03D 51/34** (2006.01)

CPC (source: EP)

D03D 47/3066 (2013.01); **D03D 47/3093** (2013.01); **D03D 47/363** (2013.01); **D03D 51/34** (2013.01)

Cited by

EP2161358A1; EP2157218A1; EP2088227A3; EP2166140A3; EP2733244A1

Designated contracting state (EPC)

BE CH DE IT LI

DOCDB simple family (publication)

EP 1775359 A2 20070418; **EP 1775359 A3 20070905**; **EP 1775359 B1 20130123**; CN 1952238 A 20070425; CN 1952238 B 20110126; JP 2007107155 A 20070426; JP 4889087 B2 20120229

DOCDB simple family (application)

EP 06018643 A 20060906; CN 200610151356 A 20060907; JP 2005301288 A 20051017