

Title (en)

A fluid jet loom suitable to perform a method of calculating timing of weft picking and a method of setting weft inserting condition

Title (de)

Düsenwebmaschine zur Durchführung eines Verfahrens zur Berechnung des Schusseintragszeitpunktes und eines Verfahrens zum Einstellen der Schusseintragsparameter

Title (fr)

Métier à tisser à jet de fluid pour la mise en oeuvre du procédé de calcul du moment de l'insertion de la trame et du procédé pour régler les paramètres de l'insertion de la trame

Publication

EP 1428917 B1 20081231 (EN)

Application

EP 03025784 A 20031111

Priority

JP 2002358490 A 20021210

Abstract (en)

[origin: EP1428917A2] A method of calculating the timing of weft picking is applicable to a fluid jet loom provided with a weft inserting nozzle (18) which is supplied with a pressure fluid enabling weft inserting to be normally performed and jets the pressure fluid together with a weft (12) at the weft inserting time, and a weft engaging member (22) for controlling the weft length, the weft engaging member (22) being arranged on the side of a weft length measuring storage unit (16) and releasing the weft in response to the start of jetting the fluid from the weft inserting nozzle (18). The calculation method includes calculation of the timing for the weft to enter the warp shed based on the set values of the known weft inserting condition. The set values of the weft inserting conditions includes the jet start timing of the weft inserting nozzle (18), the weft release timing of the weft engaging member (22), and either the rotational number of the main shaft (36) of the fluid jet loom or the pressure value of the pressure fluid supplied to the weft inserting nozzle (18). <IMAGE>

IPC 8 full level

D03D 47/28 (2006.01); **D03D 51/00** (2006.01); **D03D 51/02** (2006.01)

CPC (source: EP)

D03D 47/28 (2013.01); **D03D 47/3053** (2013.01); **D03D 51/02** (2013.01); **D03J 1/005** (2013.01)

Cited by

EP1647618A3; EP2228470A3

Designated contracting state (EPC)

BE CH DE IT LI

DOCDB simple family (publication)

EP 1428917 A2 20040616; **EP 1428917 A3 20040825**; **EP 1428917 B1 20081231**; CN 100371512 C 20080227; CN 1506510 A 20040623; DE 60325548 D1 20090212; JP 2004190165 A 20040708; JP 4022136 B2 20071212

DOCDB simple family (application)

EP 03025784 A 20031111; CN 200310113361 A 20031117; DE 60325548 T 20031111; JP 2002358490 A 20021210