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 Durchfüchrung 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 ouvre 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 A2 20040616 (EN)

Application
EP 03025784 A 20031111

Priority
JP 2002358490 A 20021210

Abstract (en)
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>

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D03D 47/28; D03D 51/02

IPC 8 full level
D03D 47/28 (2006.01); **D03D 51/00** (2006.01); **D03D 51/02** (2006.01)

CPC (source: EP)
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