

Title (en)

Apparatus for controlling weft inserting air pressure in a jet loom.

Title (de)

Vorrichtung zur Kontrolle des Schussfadeneintragsluftdrucks auf eine Düsenwebmaschine.

Title (fr)

Dispositif pour le contrôle de la pression d'air d'insertion dans un métier à tisser à jet.

Publication

EP 0493328 A1 19920701 (EN)

Application

EP 91811000 A 19911227

Priority

JP 40807490 A 19901227

Abstract (en)

The apparatus provides for automatically changing the data of various control factors necessary for air injection pressure controlling, which control factors including the sampling number of times at which the leading end of respective insert wefts arrive at the weft detector (6), incremental step for air injection pressure adjustment, allowable minimum and maximum limits of air pressure and other parameters from the trial weaving operation to the actual production weaving operation. With various data of control factors, such as sampling number of arrival times of the leading ends of a plurality of inserted wefts detected by the weft sensor (6) from which an average arrival time is determined, incremental step for air injection pressure adjustment, allowable minimum and maximum limits of air pressure and further parameters stored in the computer control C2, the control factor data for the trial weaving are changed to the control factor data for the production weaving when the loom operation is changed from the trial operation to the production operation, and the values of the air injection pressures detected by the pressure detectors (13, 14) just when the above loom operation change is made, are established as the reference air pressures for the actual production weaving operation. <IMAGE>

IPC 1-7

D03D 47/30

IPC 8 full level

D03D 47/30 (2006.01)

CPC (source: EP)

D03D 47/3033 (2013.01); **D03D 47/3053** (2013.01); **D03D 51/007** (2013.01)

Citation (search report)

- [X] EP 0276829 A2 19880803 - TSUDAKOMA IND CO LTD [JP]
- [A] EP 0263445 A2 19880413 - TSUDAKOMA IND CO LTD [JP]

Cited by

BE1016504A3; BE1018617A3; DE4226693A1; EP2228471A1; EP1473391A1; EP2765229A1; US8170709B2; US7063109B2; US8150543B2; WO2010054835A1; WO2006114187A1

Designated contracting state (EPC)

BE DE FR IT

DOCDB simple family (publication)

EP 0493328 A1 19920701; JP 2936728 B2 19990823; JP H04228651 A 19920818

DOCDB simple family (application)

EP 91811000 A 19911227; JP 40807490 A 19901227