

Title (en)

Method for controlling use of compressed air in jet loom and compressed-air supply/control apparatus for the same

Title (de)

Verfahren und Vorrichtung zur Steuerung des Gebrauches von Druckluft in Düsenwebmaschinen

Title (fr)

Procédé et appareil pour la commande de l'utilisation d'air comprimé dans un métier à jet d'air

Publication

EP 0743384 B1 20000614 (EN)

Application

EP 96104289 A 19960318

Priority

JP 11864295 A 19950517

Abstract (en)

[origin: EP0743384A2] Method and apparatus for properly controlling a status of use of compressed air in a jet loom. A compressed-air supply/control apparatus (5) includes a discharge flow rate determining circuit (6), an inverter (7) constituting a part of a discharge flow rate change-over means, a pulse motor (8) constituting another part of the discharge flow rate change-over means, an air compressor (9) of fixed capacity type, a pressure-responsive on/off switch (10) employed as a pressure detecting means and operation enable/disable decision circuit (14). The pressure-responsive on/off switch (10) serves to detect a pressure within a compressed air supplying passage (11) which extends from the air compressor (9) to the jet loom (1). The operation enable/disable decision circuit responds to an output of a period detecting circuit (15) to thereby issue an operation stop signal (S) to the loom control computer C0 when an on-state of the pressure-responsive on/off switch (10) continues for a period longer than a preset one. <IMAGE>

IPC 1-7

D03D 47/30

IPC 8 full level

D03D 47/30 (2006.01); **D03D 51/00** (2006.01); **D03D 51/44** (2006.01)

CPC (source: EP KR)

D03D 47/3026 (2013.01 - EP); **D03D 47/3033** (2013.01 - EP KR); **D03D 47/3053** (2013.01 - EP KR); **D03D 51/44** (2013.01 - EP KR)

Cited by

EP1288359A1; EP2733243A1; CN103820921A; BE1021489B1; BE1022163B1; US6796338B2

Designated contracting state (EPC)

BE CH DE IT LI

DOCDB simple family (publication)

EP 0743384 A2 19961120; **EP 0743384 A3 19970924**; **EP 0743384 B1 20000614**; DE 69608852 D1 20000720; DE 69608852 T2 20001228; JP H08311744 A 19961126; KR 100237261 B1 20000115; KR 960041835 A 19961219; TW 358127 B 19990511

DOCDB simple family (application)

EP 96104289 A 19960318; DE 69608852 T 19960318; JP 11864295 A 19950517; KR 19960002398 A 19960129; TW 85105795 A 19960516