

Title (en)

Air control system for inserting a weft yarn in a pneumatic weaving loom

Title (de)

Luftsteuerungssystem zum Eintragen einer Schussfaden in einen pneumatischen Webstuhl

Title (fr)

Système de contrôle de l'air pour l'insertion de fil de trame dans une machine à tisser pneumatique

Publication

EP 2319968 B1 20130102 (EN)

Application

EP 09425450 A 20091109

Priority

EP 09425450 A 20091109

Abstract (en)

[origin: EP2319968A1] An air supply system to launch (10, 11) or relay (6) nozzle means for a weft yarn in a pneumatic weaving loom is disclosed. The system comprises at least one outlet on/off valve (V 1) controlling said nozzle means and further only another inlet on/off valve means (V 2) on the air supply conduit pertaining to said nozzle means upstream of said outlet on/off valve (V 1); between said two outlet valve (V 1) and inlet valve means (V 2) there is arranged a storage tank (Tk), of a volume suited to contain sufficient air for at least one weft yarn launch, and a pressure sensor (P) apt to drive said inlet valve means (V 2) so as to open when the pressure in the tank (Tk) drops below a preset minimum threshold (Psl) and to close when the pressure in the tank (Tk) rises above a preset maximum threshold (Psu).

IPC 8 full level

D03D 47/30 (2006.01)

CPC (source: EP)

D03D 47/3053 (2013.01); **D03D 47/306** (2013.01)

Cited by

CN104562392A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2319968 A1 20110511; **EP 2319968 B1 20130102**; CN 102051754 A 20110511; CN 102051754 B 20140723

DOCDB simple family (application)

EP 09425450 A 20091109; CN 201010536938 A 20101109