

Title (en)

Air jet loom and compressed air supply therefor

Title (de)

Luftdüsenwebmaschine und Druckluftversorgung derselben

Title (fr)

Métier à tisser à jet d'air et son alimentation en air comprimé

Publication

EP 1288359 A1 20030305 (DE)

Application

EP 02405716 A 20020822

Priority

- EP 02405716 A 20020822
- EP 01810847 A 20010903

Abstract (en)

An air jet-operated weaving assembly has a compressed air supply system. Part of the compressed air supply system is installed within a discrete compressed air supply unit esp. incorporating the compressed air feed line, main shut-off valve, air filter, some of the magnetic valves and the pressure regulator. The compressed air supply system is accessible from all sides within a cabinet with removable cover and side-panels. Some of the compressed air in- and out- lines are accessible from underneath. The air lines and electrical power cables are flexible. The compressed air supply system also has a pressure regulator for the weft insert. Also claimed is a commensurate compressed air supply unit serving a number of air jet weaving machines. The supply has a number of compressed air supply lines, each with a main shut-off valve, air filter, magnetic valves and pressure regulator.

Abstract (de)

Die Erfindung betrifft eine Luftdüsenwebmaschine 1 mit Druckluftversorgungskomponenten zur Versorgung von Luftdüsen 3, 4, 5 und 6 mit Druckluft. Die Druckluftversorgungskomponenten umfassen eine Druckluftzuleitung mit einem Hauptabsperrrventil und einem Luftfilter sowie Magnetventile und Druckregler zur Steuerung und Regelung der den Luftdüsen zugeführten Druckluft, wobei ein Teil der Druckluftversorgungskomponenten in einer separaten, von der restlichen Webmaschine getrennt angeordneten Druckluftversorgungseinheit 10 zusammengefasst ist. <IMAGE>

IPC 1-7

D03D 47/30

IPC 8 full level

D03D 47/30 (2006.01)

CPC (source: EP)

D03D 47/3053 (2013.01)

Citation (search report)

- [A] EP 0743384 A2 19961120 - TOYODA AUTOMATIC LOOM WORKS [JP]
- [A] EP 0344104 A1 19891129 - SULZER AG [CH]
- [A] EP 0229432 A2 19870722 - TSUDAKOMA IND CO LTD [JP]
- [A] DE 19517748 A1 19951123 - TOYODA AUTOMATIC LOOM WORKS [JP]

Cited by

EP1835056A3; DE102012208158B3; WO2013171045A3; WO2013171045A2; US9382648B2

Designated contracting state (EPC)

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