

Title (en)

Multiple-color weft inserting apparatus of a fluid jet loom

Title (de)

Mehrfarbenschusseintragsvorrichtung einer Düsenwebmaschine

Title (fr)

Appareil d'insertion de trame multicolore dans un métier à tisser à jet de liquide

Publication

EP 1878820 B1 20120627 (EN)

Application

EP 07011053 A 20070605

Priority

- JP 2006189952 A 20060711
- JP 2007110025 A 20070419

Abstract (en)

[origin: EP1878820A2] A multiple-color weft inserting apparatus (60,70) of a fluid jet loom includes at least three weft supply lines (L), a weft-insertion controlling device (65,75). The controlling device (65,75) performs grouping of weft supply lines (L), and performs multiple-color weft insertion (60,70) in accordance with a predetermined weft-insertion pattern using the weft supply lines (L) in the group and at least one remaining weft supply line (L). The weft supply lines (L) in the group are where the weft of the same type is set. In the case where the controlling device (65,75) executes the insertion of the weft of the type corresponding to the group while the weft supply lines (L) in the group successively operate by turns, when the weft supply sensor (3) of any weft supply line (L) in the group detects a weft supply abnormality, the controlling device (65,75) excludes the any weft supply line (L) and continues the insertion of the weft of the type corresponding to the group using the other weft supply line or lines (L) in the group.

IPC 8 full level

D03D 47/38 (2006.01); **D03D 47/28** (2006.01); **D03D 51/34** (2006.01)

CPC (source: EP)

D03D 47/28 (2013.01); **D03D 47/3046** (2013.01); **D03D 51/34** (2013.01)

Cited by

CN102819235A

Designated contracting state (EPC)

BE CH DE IT LI

DOCDB simple family (publication)

EP 1878820 A2 20080116; **EP 1878820 A3 20090708**; **EP 1878820 B1 20120627**; CN 101104975 A 20080116; CN 101104975 B 20120502; JP 2008038329 A 20080221

DOCDB simple family (application)

EP 07011053 A 20070605; CN 200710108158 A 20070530; JP 2007110025 A 20070419