

Title (en)  
Method for interlacing non- or partially-interlaced weft yarn, particularly synthetic filament weft yarn, and weaving loom for carrying out this method

Title (de)  
Verfahren zum Taengeln von nicht oder teilweise getaengelten Schussgarnen, insbesondere synthetischen Filament-Schussgarnen und Webmaschine zur Verfahrensdurchführung

Title (fr)  
Procédé d'entrelacer fil de trame pas ou partiellement entrelacé, en particulier fil de trame constitué de filaments synthétiques, et métier à tisser pour mettre en oeuvre ledit procédé

Publication  
**EP 1340846 A3 20031105 (DE)**

Application  
**EP 03003373 A 20030214**

Priority  
DE 10209278 A 20020301

Abstract (en)  
[origin: EP1340846A2] Intermingled filament yarns (1, 2) are inserted as weft alternately by jet tubes (3a, 4a) that are supplied with compressed air at pressure (P1.1, P1.2) of less than 1 bar. At a section (A-A) some distance from the exit the yarn is exposed to an intermingling jet directed at an angle to the forwarding airflow and supplied with air at a pressure greater than 1 bar, preferably 4 to 6 bar. An Independent claim is also included for an air jet loom equipped accordingly, having control valves timed to provide intermingling air pulses in time with the weft insertion cycle. The intermingled end of the weft is eventually cut off with the waste yarn.

IPC 1-7  
**D03D 47/30**

IPC 8 full level  
**D02J 1/00** (2006.01); **D03D 47/00** (2006.01); **D03D 47/30** (2006.01)

CPC (source: EP US)  
**D03D 47/3013** (2013.01 - EP US); **D03D 47/3026** (2013.01 - EP US); **D03D 47/3053** (2013.01 - EP US)

Citation (search report)  
• [DA] DE 19653028 C1 19980129 - DORNIER GMBH LINDAUER [DE]  
• [A] DE 3739351 C1 19890202 - DORNIER GMBH LINDAUER  
• [DA] PATENT ABSTRACTS OF JAPAN vol. 015, no. 392 (C - 0873) 4 October 1991 (1991-10-04)

Cited by  
DE102007015691A1; CN102094282A; CN102776671A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**EP 1340846 A2 20030903; EP 1340846 A3 20031105; EP 1340846 B1 20041222**; AT E285491 T1 20050115; DE 10209278 A1 20030925; DE 50300209 D1 20050127; ES 2235118 T3 20050701; JP 2003278052 A 20031002; PT 1340846 E 20050531; US 2003164197 A1 20030904; US 6959738 B2 20051101

DOCDB simple family (application)  
**EP 03003373 A 20030214**; AT 03003373 T 20030214; DE 10209278 A 20020301; DE 50300209 T 20030214; ES 03003373 T 20030214; JP 2003051507 A 20030227; PT 03003373 T 20030214; US 37726903 A 20030228