

Title (en)

Pneumatic weft tensioning safety device for air looms, with control of the broken wefts

Title (de)

Pneumatische Schussfadenspannvorrichtung für Düsenwebmaschinen, mit Schussfadenbruchkontrolle

Title (fr)

Dispositif pneumatique de tension de la trame pour métiers à jet d'air, avec contrôle de fils de trame cassés

Publication

**EP 0645485 B1 19971203 (EN)**

Application

**EP 94114955 A 19940922**

Priority

IT MI932037 A 19930923

Abstract (en)

[origin: EP0645485A1] Pneumatic weft tensioning safety device for air looms, of the type in which a weft yarn (F) is launched by air jets into a launching channel (5) formed in the loom reed (3) and, at the outlet of the shed, the free end of said yarn is deviated towards the inlet mouth of a lateral weft tensioning channel (11) by an air jet (12) substantially transversal to the direction of said launching channel (5). The lateral weft tensioning channel (11) has an arc-shaped path and leads into a channel extension (6) of said launching channel (5). Means (13) to detect the presence of the weft are positioned in said channel extension (6), downstream of the outlet mouth of said lateral channel (11). <IMAGE>

IPC 1-7

**D03D 51/34**

IPC 8 full level

**D03D 51/34** (2006.01)

CPC (source: EP)

**D03D 47/308** (2013.01); **D03D 51/34** (2013.01)

Cited by

US6076563A; DE10115172C1; EP0931865A1; US6082413A; DE19810129B4; EP0942082A3; US6834683B2

Designated contracting state (EPC)

BE CH DE ES FR IT LI

DOCDB simple family (publication)

**EP 0645485 A1 19950329**; **EP 0645485 B1 19971203**; DE 69407127 D1 19980115; DE 69407127 T2 19980326; ES 2110169 T3 19980201; IT 1272667 B 19970626; IT MI932037 A0 19930923; IT MI932037 A1 19950323

DOCDB simple family (application)

**EP 94114955 A 19940922**; DE 69407127 T 19940922; ES 94114955 T 19940922; IT MI932037 A 19930923