

Title (en)

METHOD FOR INSERTING WEFT THREADS AND THREAD FEED DEVICE

Title (de)

VERFAHREN ZUM EINTRAGEN VON SCHUSSFÄDEN UND FADENLIEFERVORRICHTUNG

Title (fr)

PROCEDE POUR INSERER DES FILS DE TRAME ET DISPOSITIF D'ALIMENTATION EN FIL DE TRAME

Publication

EP 1402097 B1 20060329 (DE)

Application

EP 01987824 A 20011017

Priority

- DE 10051635 A 20001018
- DE 10107311 A 20010216
- EP 0112024 W 20011017
- SE 0102272 A 20010626
- SE 0103209 A 20010925

Abstract (en)

[origin: WO0233157A2] The invention relates to a method for inserting weft thread material, comprising an insertion system in a power loom. According to the inventive method, for every insertion the insertion system (A) is supplied with a substantial part of the weft thread required for the insertion in a loose and substantially tension-free manner so as to be intermittently pulled off. A tubular batch of adjacent windings is produced from the weft thread material on an inner mechanical support (S) by way of an at least substantially continuous winding process and is conveyed forward in the direction of pull-off. For the purpose of pull-off, a number of windings that corresponds at least approximately to the weft yarn section is detached from the support while maintaining its tubular configuration and is substantially slackened. The weft yarn material is pulled off along the tubular axis (X).

IPC 8 full level

D03D 47/34 (2006.01); **B65H 51/22** (2006.01); **B65H 63/08** (2006.01); **D03D 47/28** (2006.01); **D03D 47/36** (2006.01)

CPC (source: EP KR US)

B65H 63/088 (2013.01 - EP US); **D03D 47/34** (2013.01 - EP KR US); **D03D 47/367** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0233157 A2 20020425; **WO 0233157 A3 20031231**; AT E321903 T1 20060415; AU 1596002 A 20020429; CN 1321234 C 20070613; CN 1531609 A 20040922; DE 50109401 D1 20060518; EP 1402097 A2 20040331; EP 1402097 B1 20060329; JP 2004527665 A 20040909; JP 2007308870 A 20071129; JP 4101651 B2 20080618; JP 4744488 B2 20110810; KR 100516487 B1 20050922; KR 20030042471 A 20030528; US 2004061018 A1 20040401; US 2007095418 A1 20070503; US 7156337 B2 20070102; US 7475709 B2 20090113

DOCDB simple family (application)

EP 0112024 W 20011017; AT 01987824 T 20011017; AU 1596002 A 20011017; CN 01817586 A 20011017; DE 50109401 T 20011017; EP 01987824 A 20011017; JP 2002536124 A 20011017; JP 2007190140 A 20070720; KR 20037005486 A 20030418; US 39929603 A 20031014; US 58333006 A 20061019