

Title (en)

Process and device for the controlled pneumatic separation of weft for the weft breakage repair in air-jet looms

Title (de)

Verfahren und Vorrichtung zum gesteuerten pneumatischen Abziehen des Schussfadens bei der Schussbruchbehebung auf Luftdüsen-Webmaschinen

Title (fr)

Procédé et dispositif pour le tirage pneumatique commandé de fils de trame pour la réparation de fil de trame cassé sur métiers à jet d'air

Publication

**EP 0747520 A3 19970924 (DE)**

Application

**EP 96108676 A 19960530**

Priority

DE 19521100 A 19950609

Abstract (en)

[origin: DE19521100C1] A process for drawing out from a weaving shed a single or multiple twisted weft thread with a defect causing a weaving stoppage entails use of suction applied in a way dependent on the characteristics specific to the thread. Also claimed is appts. for producing the suction (5), i.e. an injector jet with at least two inlets (9, 10). At least one of the characteristics chosen is twist direction while suction spin and strength are chosen as needed to suit the thread characteristics, e.g. the spin to reinforce the thread twist.

IPC 1-7

**D03D 51/00**

IPC 8 full level

**D03D 45/50** (2006.01); **D03D 47/30** (2006.01); **D03D 51/00** (2006.01); **D03D 51/08** (2006.01); **D03D 51/34** (2006.01)

CPC (source: EP US)

**D03D 51/085** (2013.01 - EP US); **D03D 51/34** (2013.01 - EP US)

Citation (search report)

- [A] EP 0322576 A1 19890705 - V U KONCERNOVA UCELOVA ORG ZVS [CS]
- [A] EP 0330023 A1 19890830 - V U KONCERNOVA UCELOVA ORG ZVS [CS]
- [A] EP 0332258 A1 19890913 - PICANOL NV [BE]
- [A] EP 0534541 A1 19930331 - SOMET SOC MEC TESSILE [IT]
- [AD] US 4781221 A 19881101 - ONISHI KIMIMASA [JP], et al
- [AD] EP 0309013 A1 19890329 - PICANOL NV [BE]
- [AD] EP 0310804 A2 19890412 - PICANOL NV [BE]

Designated contracting state (EPC)

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DOCDB simple family (application)

**DE 19521100 A 19950609**; EP 96108676 A 19960530; JP 14760196 A 19960610; US 66430796 A 19960610