

Title (en)

Procedure for piecing up or joining a yarn created in a spinning station, said spinning station being equipped to carry out the procedure

Title (de)

Verfahren zum Ansetzen eines in einer Spinnstelle gebildeten Garnes oder zum Anspinnen, sowie zur Durchführung des Verfahrens ausgerüstete Spinnstelle

Title (fr)

Procédé pour rabouter ou mettre en place un fil crée dans une unité de filature, ladite unité étant équipée pour la mise en oeuvre du procédé

Publication

EP 1219737 B2 20120118 (DE)

Application

EP 01129189 A 20011210

Priority

CH 25052000 A 20001222

Abstract (en)

[origin: EP1219737A1] Following interruption of a spinning process, a new section of fibre is joined to an existing section by overlapping end sections. The incoming fibre is first drawn out (L.2) and presented to the existing drawn out terminal section (L.1) of prior thread (4) in the spinning machine in a synchronised action. Also claimed is a spinning machine has a spinning point at which the fibre feed is first drawn out, twisted and discharged as yarn. If the process is interrupted e.g. because of a thread break, the fibre drawing out process is halted at the drawing out inlet. The yarn (11) free end is drawn out, tapered, positioned prior to the twist unit. When the spinning process resumes, the movement of the incoming fibre is synchronised with that of the yarn (1) causing the two sections to overlap and combine.

IPC 8 full level

D01H 4/48 (2006.01); **D01H 15/00** (2006.01); **D01H 1/115** (2006.01); **D01H 4/02** (2006.01); **D01H 5/36** (2006.01)

CPC (source: EP US)

D01H 1/115 (2013.01 - EP US); **D01H 4/02** (2013.01 - EP US); **D01H 5/36** (2013.01 - EP US); **D01H 15/002** (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 3336294 A1 19840412 - TOYODA AUTOMATIC LOOM WORKS [JP]
- DE 19626583 A1 19980108 - STAHLECKER FRITZ [DE], et al
- EP 0787843 A1 19970806 - MURATA MACHINERY LTD [JP]
- DE 3706728 A1 19880915 - SCHUBERT & SALZER MASCHINEN [DE]
- US 5022123 A 19910611 - UEDA YUTAKA [JP], et al
- EP 1205588 A1 20020515 - RIETER AG MASCHF [CH]

Cited by

DE10346194B4; DE10335651B4; EP1375709A3; DE102005045830A1; EP1564317A1; US7464530B2; EP4389948A1; LU503240B1; EP4389947A1; LU503239B1; WO2005038103A1; WO2006042686A1; WO2005075721A3; EP2573238B1; EP2573237B1; EP1347085B2

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

EP 1219737 A1 20020703; EP 1219737 B1 20061102; EP 1219737 B2 20120118; CN 1272484 C 20060830; CN 1360100 A 20020724; DE 50111354 D1 20061214; JP 2002220751 A 20020809; JP 4259796 B2 20090430; US 2002144496 A1 20021010; US 6691501 B2 20040217

DOCDB simple family (application)

EP 01129189 A 20011210; CN 01143381 A 20011221; DE 50111354 T 20011210; JP 2001388090 A 20011220; US 2281201 A 20011218