

Title (en)
YARN SPLICING METHOD AND YARN SPLICING DEVICE

Title (de)
GARNSPLEISSVERFAHREN UND GARNSPLEISSVORRICHTUNG

Title (fr)
PROCÉDÉ ET DISPOSITIF D'ÉPISSAGE DE FIL

Publication
EP 2042625 A4 20100602 (EN)

Application
EP 07767839 A 20070628

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Abstract (en)
[origin: EP2042625A1] The invention relates to a piecing method capable of securing the strength of a spun yarn obtained by the piecing, and omitting a protrusion treatment step for a fabric knitted by the spun yarn obtained by the piecing. Tip end portions (21a, 22a) of knitting yarns (21, 22) are overlaid in the same direction, and the knitting yarn (21, 22) are intertwined into each other to form a protruding portion (23) and a plurality of branched portions (51, 52) that are branched from the protruding portion (23). Then, the protruding portion (23) is overlaid on one branched portion (51) and the protruding portion (23) is fixed to the one branched portion (51).

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Citation (search report)
• [XP] WO 2006085486 A1 20060817 - SHIMA SEIKI MFG [JP], et al
• [E] EP 1857395 A1 20071121 - SHIMA SEIKI MFG [JP]
• [X] US 4788814 A 19881206 - CROUCH MILTON R [US], et al
• [A] EP 1584595 A1 20051012 - MURATA MACHINERY LTD [JP]
• [A] US 5479769 A 19960102 - BELLOY JEAN [FR], et al
• See references of WO 2008001869A1

Cited by
EP3476987A1; WO2020224874A1; US10858764B2; US11912528B2

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