

Title (en)

Method for producing a textile article comprising a staple fibre yarn and textile article

Title (de)

Verfahren zur Herstellung eines textilen Artikels unter Verwendung eines Stapelfasergarns und textiler Artikel

Title (fr)

Procédé de fabrication d'un article textile comprenant un fil discontinu et article textile

Publication

**EP 2235244 A1 20101006 (DE)**

Application

**EP 09700898 A 20090105**

Priority

- EP 2009050021 W 20090105
- EP 08000338 A 20080110
- EP 09700898 A 20090105

Abstract (en)

[origin: WO2009087123A1] A staple fiber yarn is presented, comprising at least one ply yarn, wherein the ply yarn comprises a mixture of first staple yarns and second staple yarns, wherein the first staple yarns are made from high-strength filaments which exhibit tear strength of at least 80 cN/tex, the second staple yarns exhibit shrinkage in the region of 5 % to 50 %, the weight ratio of the first staple yarns to the second staple yarns in the at least one ply yarn is A : B, and is A : B in the region of 5 : 95 to 45 : 55. A method for producing a textile article using the claimed staple fiber yarn is presented, wherein the method comprises shrinking, and the shrinking is carried out either on the staple fiber yarn, after which the article is produced from the shrunk staple fiber yarn, or is carried out on the article containing the unshrunk staple fiber yarn. The textile article exhibits abrasion resistance which is similarly high or even considerably higher than that of a correspondingly produced textile article, the staple fiber yarn of which comprises exclusively first staple yarns made from high-strength filaments.

IPC 8 full level

**D02G 3/44** (2006.01); **D02G 3/04** (2006.01); **D03D 15/567** (2021.01)

CPC (source: EP KR US)

**A41D 19/015** (2013.01 - KR); **D02G 3/04** (2013.01 - KR); **D02G 3/045** (2013.01 - EP US); **D02G 3/047** (2013.01 - EP KR US); **D02G 3/442** (2013.01 - EP US); **D10B 2321/02** (2013.01 - EP US); **D10B 2331/021** (2013.01 - EP US); **D10B 2331/061** (2013.01 - EP US); **D10B 2331/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2009087123A1

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