Title (en)

Heat-durable spun-like fasciated yarn and method for producing the same.

Title (de)

Wärmebeständiges gespinsteähnliches, gebündeltes Garn, und Verfahren zur Herstellung desselben.

Title (fr)

Fil fascié ayant l'aspect d'un filé, résistant à la chaleur, et procédé pour le fabriquer.

Publication

EP 0122949 A1 19841031 (EN)

Application

EP 83103913 A 19830421

Priority

EP 83103913 A 19830421

Abstract (en)

A fasciated yarn, consisting of wholly aromatic polyamide fibers, with excellent mechanical properties, especially creep durability in a high temperature atmosphere, suitable for industrial uses. The fasciated yarn can be produced by a method comprising the steps of: stretch-breaking a filament tow (4) of the wholly aromatic polyamide fibers to form a staple fiber bundle (4 min) and imparting a false-twist to the staple fiber bundle by a vortex (9) while retaining parallelism of the staple fibers composing the bundle. Structural characteristics of the yarn reside in a mean fiber length in the range of from 150 mm to 600 mm, a crimpability of less than 5%, a mean degree of parallelism of less than 3 DEG , and a number of wrap fiber groups in a range of from 0.5 to 20 per 1 cm in length of the yarn.

IPC 1-7

D02G 3/36; D01G 1/08

IPC 8 full level

D01G 1/08 (2006.01); **D01H 1/11** (2006.01); **D02G 3/04** (2006.01)

CPC (source: EP)

D01G 1/08 (2013.01); **D01H 1/11** (2013.01); **D02G 3/047** (2013.01)

Citation (search report)

- [AD] US 3079746 A 19630305 - FIELD JR FREDERICK C
- [A] US 4118921 A 19781010 - ADAMS DUSTIN STETSON, et al
- [A] US 2784458 A 19570312 - PRESTON FREDERICK A
- [AD] US 4265082 A 19810505 - SASAKI YOSHIYUKI, et al
- [A] CHEMIEFASERN/TEXTILINDUSTRIE, vol. 30, no. 9, September 1980, page 678, Frankfurt am Main, DE.

Cited by

EP1522614A1; CN100392163C; EP1522613A1; GB2286605A; GB2286605B; US7581376B2; US7083853B2; WO9409195A1; WO0077283A3; US7454816B2; US7100246B1; US7267871B2; US7559121B2

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