

Title (en)

Mixed cross-section carpet yarn.

Title (de)

Teppichgarn mit Querschnittmischungen.

Title (fr)

Fil pour tapis avec mélange de sections transversales.

Publication

EP 0601372 A1 19940615 (EN)

Application

EP 93118724 A 19931122

Priority

- US 12845493 A 19930928
- US 98981292 A 19921210

Abstract (en)

A blend of fibers is made of about 51 to 90% by weight of base fibers (a) selected from triangular trilobal fibers having a modification ratio ranging from 2.4 to 3.4; hollow pentagonal fibers; standard trilobal fibers having a modification ratio of at least 2.6; pointed lobe trilobal fibers having a modification ratio of at least 2.6; and mixtures thereof; and about 10 to 49% by weight of accent fibers (b) selected from standard trilobal fibers having a modification ratio ranging from 1.7 to 2.4; pointed lobe trilobal fibers having a modification ratio ranging from 2.0 to 2.9; and mixtures thereof. The fibers (a) and (b) have a denier per filament within the range represented by the area enclosed by sides A, B, C, D and E of FIG. 1. Where fibers (a) and (b) are both pointed lobe trilobal fibers with the same modification ratio and denier per filament, then fibers (a) are delustered and fibers (b) are undelustered. <IMAGE>

IPC 1-7

D01D 5/253; **D01D 5/24**; **D01D 5/08**; **D02G 3/22**

IPC 8 full level

D01D 5/08 (2006.01); **D01D 5/24** (2006.01); **D01D 5/253** (2006.01); **D02G 3/04** (2006.01); **D02G 3/44** (2006.01)

CPC (source: EP)

D01D 5/082 (2013.01); **D01D 5/24** (2013.01); **D01D 5/253** (2013.01); **D02G 3/445** (2013.01)

Citation (search report)

- [A] US 4091065 A 19780523 - SHAH CHANDRAKANT SHANTILAL
- [DA] US 4001369 A 19770104 - SHAH CHANDRAKANT SHANTILAL
- [A] GB 986718 A 19650324 - DU PONT
- [X] PATENT ABSTRACTS OF JAPAN vol. 15, no. 431 (C - 0881) 5 November 1991 (1991-11-05)
- [X] PATENT ABSTRACTS OF JAPAN vol. 15, no. 425 (C - 0879) 29 October 1991 (1991-10-29)

Cited by

EP1781844A4; EP0716170A3; US5593629A; US5601918A; KR100832682B1; US11692284B2; WO9626307A1; WO9836331A1; US7585440B2; US11608571B2; WO03074769A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0601372 A1 19940615; **EP 0601372 B1 19971105**; DE 69315041 D1 19971211; DE 69315041 T2 19980520; JP H06240529 A 19940830

DOCDB simple family (application)

EP 93118724 A 19931122; DE 69315041 T 19931122; JP 31062193 A 19931210