

Title (en)

Shapable and heat stabilisable textile loop pile fabric

Title (de)

Verformbare, hitzestabilisierbare textile Schlingenpolware

Title (fr)

Etoffe textile à poil de boucles déformable et stabilisable à chaud

Publication

**EP 0728859 B1 20000531 (DE)**

Application

**EP 96101887 A 19960209**

Priority

DE 19506038 A 19950222

Abstract (en)

[origin: EP0728859A1] The characteristic features in a lopped material comprising a stitched or woven backing with bonded-in loop-forming yarns are that: (i) the backing contains a multi-filament hybrid yarn of 2 types of filament (A) and (B), together with 0-40 wt.% accompanying filaments (C) where (A) is texturised and of m.pt. above 180 (esp. above 250) degrees C and (B) is of m.pt. below 220 (esp. below 180) degrees C such that the m.pt. of (B) is at least 20 (esp., at least 80) degrees C below that of (A), (ii) the wt. ratio (A):(B) is 20:80-80:20 esp. 40:60-60:40 and (iii) the loop length of the bonded-in yarns is 1-4 mm. and these yarns are multi-filament yarns of total titre 30-200 dtex and single titre 5-25 dtex and/or mono-filaments of 20-70 dtex. Pref. filaments (A) have 3-50 (esp. 8-30)% self-crimp and m.pt. 240-280 degrees C, while (B) have m.pt. 150-200 degrees C. The hybrid yarns in the base have a total titre of 80-500 (esp. 160-230) dtex, with (A) having individual titre 0.5-15 (esp. 2-10) dtex and (B) 1-20 (esp. 3-15) dtex. The backing and bonded-in yarns are pref. of the same polymer class, esp. both polyesters and the bonded-in, loop-forming yarns have m.pt. at least 20 (esp. at least 80) degrees C above the m.pt. of backing hybrid yarn component (B)

IPC 1-7

**D04B 1/04**; **D03D 27/00**

IPC 8 full level

**D01F 6/92** (2006.01); **D03D 27/00** (2006.01); **A44B 18/00** (2006.01); **D03D 27/08** (2006.01); **D04B 1/02** (2006.01); **D04B 1/04** (2006.01)

CPC (source: EP US)

**D02G 3/02** (2013.01 - EP US); **D03D 15/587** (2021.01 - EP); **D03D 27/00** (2013.01 - EP US); **D04B 1/04** (2013.01 - EP US); **A44B 18/0092** (2013.01 - EP US); **D10B 2401/041** (2013.01 - EP US); **D10B 2501/0632** (2013.01 - EP US); **Y10T 24/2758** (2015.01 - EP US); **Y10T 428/23979** (2015.04 - EP US); **Y10T 428/23986** (2015.04 - EP US); **Y10T 428/23993** (2015.04 - EP US); **Y10T 428/24017** (2015.01 - EP US)

Cited by

EP1949810A3; WO0238845A3; US6306483B1; WO9857795A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IE IT LI LU NL PT SE

DOCDB simple family (publication)

**EP 0728859 A1 19960828**; **EP 0728859 B1 20000531**; AT E193566 T1 20000615; BR 9600781 A 19971223; CA 2170014 A1 19960823; CZ 51996 A3 19970115; DE 19506038 A1 19960829; DE 59605330 D1 20000706; DK 0728859 T3 20001009; ES 2148604 T3 20001016; HU 9600382 D0 19960429; HU P9600382 A1 19970428; JP H08280418 A 19961029; PL 312881 A1 19960902; PT 728859 E 20001130; TR 199600130 A2 19961021; US 5654067 A 19970805

DOCDB simple family (application)

**EP 96101887 A 19960209**; AT 96101887 T 19960209; BR 9600781 A 19960221; CA 2170014 A 19960221; CZ 51996 A 19960221; DE 19506038 A 19950222; DE 59605330 T 19960209; DK 96101887 T 19960209; ES 96101887 T 19960209; HU P9600382 A 19960220; JP 3471196 A 19960222; PL 31288196 A 19960221; PT 96101887 T 19960209; TR 9600130 A 19960216; US 60491996 A 19960222