

Title (en)

Hybrid yarn for composite materials made from thermoplastic matrix and process for producing the same.

Title (de)

Hybridgarn für Kompositwerkstoffe basierend auf thermoplastischer Matrix und Verfahren zu seiner Herstellung.

Title (fr)

Fil hybride pour matériaux composites à matrice thermoplastique et procédé pour son obtention.

Publication

EP 0466618 B1 19950222 (FR)

Application

EP 91420232 A 19910708

Priority

FR 9009398 A 19900713

Abstract (en)

[origin: EP0466618A1] This hybrid yarn is of the type comprising an intimate mixture of threads of reinforcing fibres and of threads of thermoplastic matrix fibres, each of the threads of fibres having been obtained by cranking by a slow and progressive drawing of multifilaments. According to the invention, after drawing the parallel fibres (2, 3) are overwound with a continuous filament (19) of thermoplastic material. Application to the production of hot-pressed articles. <IMAGE>

IPC 1-7

D02G 3/38; D02G 3/40

IPC 8 full level

D02G 3/38 (2006.01); **D02G 3/40** (2006.01)

CPC (source: EP US)

D02G 3/385 (2013.01 - EP US); **D02G 3/402** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/2918** (2015.01 - EP US); **Y10T 428/2933** (2015.01 - EP US); **Y10T 428/2936** (2015.01 - EP US); **Y10T 428/2964** (2015.01 - EP US); **Y10T 428/2967** (2015.01 - EP US); **Y10T 428/2969** (2015.01 - EP US)

Cited by

US7005024B2; CN107513791A; CN106835401A; FR2811688A1; FR2958663A1; EP0998859A3; US6820406B2; WO9914408A1; WO0206036A1; US6969437B1; US7189295B2; US7387828B2; US6292954B1; US6682618B1; US6658835B1; US7398640B2; US7402217B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0466618 A1 19920115; **EP 0466618 B1 19950222**; AT E118827 T1 19950315; DE 69107535 D1 19950330; DE 69107535 T2 19950614; DK 0466618 T3 19950508; ES 2068546 T3 19950416; FR 2664621 A1 19920117; FR 2664621 B1 19940826; GR 3015636 T3 19950630; US 5910361 A 19990608

DOCDB simple family (application)

EP 91420232 A 19910708; AT 91420232 T 19910708; DE 69107535 T 19910708; DK 91420232 T 19910708; ES 91420232 T 19910708; FR 9009398 A 19900713; GR 950400714 T 19950327; US 73019991 A 19910715