

Title (en)

AROMATIC POLYAMIDE YARN IMPREGNATED WITH LUBRICATING PARTICLES, A PROCESS FOR THE MANUFACTURE OF SUCH A YARN, AND PACKING MATERIAL OR ROPE CONTAINING THIS YARN

Publication

EP 0136727 B2 19921007 (EN)

Application

EP 84200913 A 19840625

Priority

NL 8302368 A 19830704

Abstract (en)

[origin: EP0136727A1] A filament yarn of aromatic polyamides impregnated with solid particles of a fluorine-containing polymer and/or graphite. The solid particles are incorporated into the yarn by very uniformly distributing them over the filaments in that the solid particles are applied to the yarn from an aqueous dispersion and the yarn is subjected to a blowing treatment while feeding them at an excess feed rate or not. The yarn thus impregnated is first of all intended to be processed into a packing material or rope. In figure (2), the aramid yarn (13) is passed through a bath (15) containing an aqueous dispersion of PTFE and/or graphite particles and a blow box (18).

IPC 1-7

D06M 15/244; **D02G 1/16**; **F16J 15/22**

IPC 8 full level

D02G 3/02 (2006.01); **D02G 1/16** (2006.01); **D02G 3/24** (2006.01); **D06M 11/00** (2006.01); **D06M 11/73** (2006.01); **D06M 11/74** (2006.01); **D06M 15/244** (2006.01); **D06M 15/256** (2006.01); **D06M 23/08** (2006.01); **D07B 1/16** (2006.01); **F16J 15/22** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/34** (2006.01); **D06M 101/36** (2006.01)

CPC (source: EP)

D02G 1/164 (2013.01); **D06M 15/256** (2013.01)

Cited by

CN104088139A; US5413127A; US5443896A; US5270113A; EP0327736A1; EP0341420A3; CN108866726A; CN107345329A; DE20210426U1; EP0382175A3; US5501879A; US5139873A; EP0339232A3; US5298028A; US5460881A; CN109706764A; EP0358363A1; US4996056A; US7803431B2; WO2005093142A1; WO9111970A1; WO03078157A1; US10450696B2; WO0170855A1; WO2015067684A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0136727 A1 19850410; **EP 0136727 B1 19870812**; **EP 0136727 B2 19921007**; AT E28909 T1 19870815; CA 1252775 A 19890418; DE 3465353 D1 19870917; JP H0734382 A 19950203; JP H0826515 B2 19960313; JP S6075675 A 19850430

DOCDB simple family (application)

EP 84200913 A 19840625; AT 84200913 T 19840625; CA 457953 A 19840703; DE 3465353 T 19840625; JP 13738584 A 19840704; JP 17470593 A 19930623