

Title (en)
High strength polyester yarn.

Title (de)
Polyestergarn mit hoher Festigkeit.

Title (fr)
Fil polyester à haute résistance.

Publication
EP 0295147 A2 19881214 (EN)

Application
EP 88305370 A 19880613

Priority
JP 14763287 A 19870612

Abstract (en)
A polyester yarn comprising primarily polyethylene terephthalate for use in reinforcing rubber goods and having the following properties: (a) an intrinsic viscosity of at least 0.91, (b) a tenacity of at least 8 g/d, (c) E2.25 of 4.5 percent or less, (d) DELTA Hmf of at least 11.5 cal/g, (e) (Tmf - TmF) of at least 20 DEG C, and (f) an amorphous orientation function of 0.75 or less, wherein E2.25 is the elongation under a load of 2.25 g/d, DELTA Hmf is the amount of heat at the melting peak in differential scanning calorimeter (DSC), Tmf is the melting point measured by DSC under a tension of 0.05 g/d, and TmF is the melting point measured by DSC under no tension. or use

IPC 1-7
D01F 6/62

IPC 8 full level
D01D 5/084 (2006.01); **D01F 6/62** (2006.01); **D01F 6/92** (2006.01)

CPC (source: EP)
D01F 6/62 (2013.01)

Cited by
US5067538A; CN110004512A; EP0341920A3; US5049447A; EP0546859A3; US5472781A; USRE36698E; WO9004667A1; EP0491947B1

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0295147 A2 19881214; **EP 0295147 A3 19891011**; **EP 0295147 B1 19930818**; DE 3883301 D1 19930923; DE 3883301 T2 19931209; JP S63315608 A 19881223

DOCDB simple family (application)
EP 88305370 A 19880613; DE 3883301 T 19880613; JP 14763287 A 19870612