

Title (en)
Polyamide imide yarns and their production.

Title (de)
Polyamid-imidgarne und deren Herstellung.

Title (fr)
Fils à base de polyamide imide et leur procédé d'obtention.

Publication
EP 0360708 B1 19951129 (FR)

Application
EP 89420348 A 19890914

Priority
FR 8812560 A 19880921

Abstract (en)
[origin: EP0360708A1] The present invention relates to heat-resistant filaments, yarns and fibres based on polyamide-imide. They have a polydispersity index $I \leq 2.2$, a tenacity at break ≥ 45 cN/tex, a Young's modulus ≥ 3.8 GPa, an elongation $\leq 25\%$, a colour defined by the luminance gamma $> 25\%$, the whiteness $W < 30$ and the yellowing index $YI > 170$. In addition, they have very good stability to light, quantified by the retention of the mechanical characteristics. They find wide application in work and protective clothing.

IPC 1-7
D01F 6/74; **D01F 6/78**

IPC 8 full level
C08L 79/08 (2006.01); **C08G 73/10** (2006.01); **D01F 6/74** (2006.01); **D01F 6/78** (2006.01)

CPC (source: EP US)
D01F 6/74 (2013.01 - EP US); **D01F 6/78** (2013.01 - EP US)

Cited by
EP0770714A1; EP0549494A1; FR2685354A1; US7887788B2; US6258916B1; US7820151B2; US7923002B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0360708 A1 19900328; **EP 0360708 B1 19951129**; AT E130879 T1 19951215; BR 8904858 A 19900508; CA 1334612 C 19950307; CN 1031290 C 19960313; CN 1041406 A 19900418; DE 68924946 D1 19960111; DE 68924946 T2 19960704; DK 464489 A 19900322; DK 464489 D0 19890920; ES 2079384 T3 19960116; FI 894450 A0 19890920; FI 894450 A 19900322; FR 2643089 A1 19900817; FR 2643089 B1 19910510; IE 69380 B1 19960904; IE 893013 L 19900321; JP 2744084 B2 19980428; JP H02104721 A 19900417; NO 893257 D0 19890814; NO 893499 D0 19890831; NO 893499 L 19900322; RU 1838468 C 19930830; US 5159052 A 19921027

DOCDB simple family (application)
EP 89420348 A 19890914; AT 89420348 T 19890914; BR 8904858 A 19890921; CA 611856 A 19890919; CN 89107401 A 19890920; DE 68924946 T 19890914; DK 464489 A 19890920; ES 89420348 T 19890914; FI 894450 A 19890920; FR 8812560 A 19880921; IE 301389 A 19890920; JP 24490189 A 19890920; NO 893257 A 19890814; NO 893499 A 19890831; SU 4614932 A 19890919; US 79016391 A 19911112