

Title (en)

ARAMID MONOFILAMENT AND METHOD FOR OBTAINING SAME

Title (de)

ARAMIDEMONOFILAMENT UND VERFAHREN ZUR HERSTELLUNG

Title (fr)

MONOFILAMENT ARAMIDE ET PROCEDE POUR L'OBTENIR

Publication

EP 0435975 B1 19960522 (FR)

Application

EP 90909123 A 19900627

Priority

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- FR 9004790 A 19900411
- FR 8908755 A 19890628

Abstract (en)

[origin: WO9100381A1] Aramid monofilament (20) characterized by the following relations: $1,7 \leq T_i \leq 260$; $40 \leq D \leq 480$; $T \geq 170 - D/3$; $M_i \geq 2000$; T_i being the titer in tex, D being the diameter in μm , T being the tenacity in cN/tex, M_i being the initial modulus in cN/tex, for this monofilament. Method for obtaining this monofilament (2) in which a solution (2) of aromatic polyamides (5) is extruded in a die (9), the jet is stretched in a layer of non-coagulating fluid (13) and the stretched liquid vein is put into a coagulating medium (19). Assemblies of these monofilaments. Articles strengthened by these monofilaments or these assemblies, such articles being for example tyre treads.

IPC 1-7

D01F 6/60

IPC 8 full level

B60C 9/00 (2006.01); **D01F 6/60** (2006.01); **D01F 6/74** (2006.01)

IPC 8 main group level

D01F (2006.01)

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- JP H06155210 A 19940603 - TOSHIBA CORP, et al
- JP H06221814 A 19940812 - FURUKAWA ELECTRIC CO LTD

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