Title (en)

MONOFILAMENT, SPIRAL FABRIC AND METHOD FOR FORMING SAME

Title (de)

MONOFILAMENT SPIRALSTOFF UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

MONOFILAMENT, TISSU EN SPIRALE ET LEUR PROCÉDÉ DE FORMATION

Publication

EP 3230522 A2 20171018 (EN)

Application

EP 15820447 A 20151207

Priority

- US 201414562945 A 20141208
- EP 2015078855 W 20151207

Abstract (en)

[origin: US2016160393A1] A monofilament is particularly suited for use as a component in a spiral fabric. The monofilament is formed from a resin composition including a thermoplastic polymer. The thermoplastic polymer has an average molecular weight of less than 14200 g/mol. Alternatively, the monofilament is formed from a resin composition including a thermoplastic polymer, the thermoplastic polymer having a free thermal shrinkage of less than 1%. According to yet another embodiment, the monofilament is formed from a resin composition including a thermoplastic polymer, the thermoplastic polymer having an intrinsic viscosity of less than 0.72 dl/g. Yet alternatively, the monofilament is formed from a resin composition including a thermoplastic polymer, the thermoplastic polymer having a melt viscosity of less than 3000 P.

IPC 8 full level

D21F 1/00 (2006.01)

CPC (source: CN EP US)

D01F 6/84 (2013.01 - CN US); **D04H 1/06** (2013.01 - CN US); **D21F 1/0072** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2016091820A2

Citation (examination)

CN 103436973 A 20131211 - AA IND BELTING SHANGHAI CO LTD, et al

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Designated extension state (EPC)

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US 201414562945 A 20141208; CN 201580066074 A 20151207; EP 15820447 A 20151207; EP 2015078855 W 20151207