

Title (en)

THERMALLY STABLE POLYTERAFLUOROETHYLENE FIBER AND METHOD OF MAKING SAME

Title (de)

THERMISCH STABILE POLYTERAFLUORETHYLENFASER UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

FIBRE DE POLYTÉTRAFLUOROÉTHYLÈNE THERMIQUEMENT STABLE ET PROCÉDÉ POUR SA FABRICATION

Publication

EP 2167710 A4 20110105 (EN)

Application

EP 08780812 A 20080613

Priority

- US 2008066854 W 20080613
- US 76324207 A 20070614
- US 76324907 A 20070614

Abstract (en)

[origin: WO2008157307A1] A dispersion spun polytetrafluoroethylene fiber exhibiting improved elongation prior to fiber break and increased thermal stability, the fiber prepared by forming a spin mix containing a dispersion of poly(tetrafluoroethylene) particles, forming an intermediate fluoropolymer fiber structure from the spin mix, sintering the intermediate fluoropolymer fiber structure and forming a continuous fluoropolymer filament yarn, drawing the continuous fluoropolymer filament yarn, and thereafter heat setting the continuous fluoropolymer filament yarn.

IPC 8 full level

D01F 6/12 (2006.01); **D01D 10/02** (2006.01)

CPC (source: EP)

D01D 10/02 (2013.01); **D01F 6/12** (2013.01); **D01F 6/48** (2013.01); **D01D 1/02** (2013.01)

Citation (search report)

- [XA] WO 03074770 A1 20030912 - MANEGRO ADMINISTRACAO E PARTIC [BR], et al
- [XA] EP 0768394 A1 19970416 - DAIKIN IND LTD [JP]
- [XA] EP 0352749 A2 19900131 - ASAHI CHEMICAL IND [JP]
- [A] US 5723081 A 19980303 - BLANKENBECKLER NICOLE LEE [US], et al
- See references of WO 2008157307A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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