

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 B1 20120125 (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

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CPC (source: EP)

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