

Title (en)

Process for manufacturing fluoropolymer compositions containing inorganic nanometric particles

Title (de)

Verfahren zur Herstellung von Fluorpolymerzusammensetzungen welche anorganische Nanopartikel enthalten

Title (fr)

Procédé de fabrication de compositions de fluoropolymères contenant des particules inorganiques nanométriques

Publication

**EP 1384750 B8 20110309 (EN)**

Application

**EP 03011987 A 20030528**

Priority

IT MI20021202 A 20020604

Abstract (en)

[origin: US2003228463A1] A polymeric composition comprising: a) from 90 to 99.9% by weight of a continuous fluoropolymer matrix; and homogeneously dispersed b) from 0.1 to 10% by weight of lamellar inorganic particles having at least one dimension lower than 100 nm having improved elastic modulus and "storage modulus" G' at high temperatures.

IPC 8 full level

**C08J 3/20** (2006.01); **C08K 3/00** (2006.01); **C08K 7/00** (2006.01); **C08K 3/34** (2006.01); **C08L 27/12** (2006.01); **C08L 101/04** (2006.01)

CPC (source: EP US)

**C08K 3/34** (2013.01 - EP US); **C08K 7/00** (2013.01 - EP US); **Y10T 428/2982** (2015.01 - EP US); **Y10T 428/3154** (2015.04 - EP US)

C-Set (source: EP US)

1. **C08K 3/34 + C08L 27/12**
2. **C08K 7/00 + C08L 27/12**

Cited by

EP1598396A4; US8193270B2; US7329702B2; US7691932B2; WO2006036397A1; US8618203B2

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