

Title (en)

CURABLE FLUOROELASTOMERS HAVING LOW SWELLING TENDENCY

Title (de)

HÄRTBARE FLUORELASTOMERE MIT GERINGER QUELLUNGSNEIGUNG

Title (fr)

FLUROOÉLASTOMÈRES DURCISSABLES AYANT UNE FAIBLE TENDANCE À GONFLER

Publication

**EP 3724271 A1 20201021 (DE)**

Application

**EP 18799693 A 20181031**

Priority

- DE 102017011642 A 20171215
- EP 2018079808 W 20181031

Abstract (en)

[origin: WO2019115083A1] The invention relates to a curable fluoroelastomer composition having low swelling tendency, comprising: A) a curable fluoroelastomer; B) a curing system; and C) 0.1 wt.-% to 30 wt.-% of a nitrogen-containing polymer, selected from polyamide, polyimide, mixtures and/or copolymers thereof, each relative to the total weight of fluoroelastomer and nitrogen-containing polymer, the nitrogen-containing polymer being present in particulate form of an average particle size in the range of 0.15 to 70 µm and/or in fiber form having an average fiber diameter in the range of 0.15 to 70 µm.

IPC 8 full level

**C08L 27/16** (2006.01)

CPC (source: EP US)

**C08J 3/005** (2013.01 - EP); **C08K 3/22** (2013.01 - US); **C08K 5/098** (2013.01 - US); **C08K 5/14** (2013.01 - US); **C08K 7/02** (2013.01 - US); **C08L 27/12** (2013.01 - EP); **C08L 27/16** (2013.01 - EP US); **C08L 27/18** (2013.01 - US); **C08L 27/20** (2013.01 - US); **F16J 3/041** (2013.01 - EP); **F16J 15/102** (2013.01 - EP); **F16J 15/3284** (2013.01 - EP US); **C08J 2327/16** (2013.01 - EP); **C08J 2477/02** (2013.01 - EP); **C08J 2477/10** (2013.01 - EP); **C08J 2479/08** (2013.01 - EP); **C08K 2003/2206** (2013.01 - US); **C08K 2003/2224** (2013.01 - US); **C08K 2003/2234** (2013.01 - US); **C08K 2003/2296** (2013.01 - EP US); **C08K 2201/003** (2013.01 - US); **C08K 2201/005** (2013.01 - US); **C08K 2201/019** (2013.01 - EP); **C08L 77/02** (2013.01 - US); **C08L 79/08** (2013.01 - US); **C08L 2205/16** (2013.01 - US); **C08L 2205/22** (2013.01 - US); **C08L 2312/00** (2013.01 - US)

C-Set (source: EP)

1. **C08L 27/16 + C08L 77/00 + C08K 3/04 + C08K 5/14**
2. **C08L 27/16 + C08L 79/08 + C08K 3/04 + C08K 5/14**
3. **C08L 27/16 + C08K 5/14 + C08L 77/00**
4. **C08L 27/16 + C08K 5/14 + C08L 79/08**

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102017011642 A1 20190619**; CN 111465649 A 20200728; EP 3724271 A1 20201021; US 2021171755 A1 20210610; US 2024117175 A1 20240411; WO 2019115083 A1 20190620

DOCDB simple family (application)

**DE 102017011642 A 20171215**; CN 201880080911 A 20181031; EP 18799693 A 20181031; EP 2018079808 W 20181031; US 201816771236 A 20181031; US 202318389850 A 20231220