

Title (en)

RADIO-OPAQUE SHAPE MEMORY POLYMERS

Title (de)

RADIOOPAKE FORMGEDÄCHTNIS-POLYMERE

Title (fr)

POLYMÈRES À MÉMOIRE DE FORME RADIO-OPAQUES

Publication

**EP 2443191 A1 20120425 (DE)**

Application

**EP 10720354 A 20100519**

Priority

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Abstract (en)

[origin: WO2010145741A1] The present invention relates to shape memory polymers characterized in that they comprise BiOCi pigments as X-ray contrast agents. Such doped polymers are used particularly in medical technology products, such as reinforcing pins for the spinal column, tooth root pins, as bone cement, and in catheter materials.

IPC 8 full level

**A61K 6/884** (2020.01); **A61M 25/00** (2006.01); **C08K 3/22** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2010145741A1

Citation (examination)

- US 6884289 B2 20050426 - SCHOEN SABINE [DE], et al
- WO 2008129245 A1 20081030 - SMITH & NEPHEW [GB], et al
- T. A. EGERTON ET AL: "Physical characterization of titanium dioxide nanoparticles", INTERNATIONAL JOURNAL OF COSMETIC SCIENCE., vol. 36, no. 3, 1 June 2014 (2014-06-01), NL, pages 195 - 206, XP055351101, ISSN: 0142-5463, DOI: 10.1111/ics.12113

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DOCDB simple family (application)

**DE 102009025293 A 20090615**; CN 201080026297 A 20100519; EP 10720354 A 20100519; EP 2010003058 W 20100519; JP 2012515368 A 20100519; US 201013378056 A 20100519