

Title (en)

BLACK CERAMIC ADDITIVES, PIGMENTS AND FORMULATIONS

Title (de)

SCHWARZE KERAMISCHE ADDITIVE, PIGMENTE UND FORMULIERUNGEN

Title (fr)

ADDITIFS, PIGMENTS ET FORMULATIONS DE CÉRAMIQUE NOIRE

Publication

**EP 3110896 A4 20180103 (EN)**

Application

**EP 15755897 A 20150228**

Priority

- US 201461946598 P 20140228
- US 201414212896 A 20140314
- US 201414268150 A 20140502
- US 201562106094 P 20150121
- US 2015018210 W 20150228

Abstract (en)

[origin: WO2015131167A1] Ceramic black materials for use as, or in, colorants, inks, pigments, dyes, additives and formulations utilizing these black materials. Black ceramics having silicon, oxygen and carbon, and methods of making these ceramics; formulations utilizing these black ceramics; and devices, structures and apparatus that have or utilize these formulations. Plastics, paints, inks, coatings, formulations, liquids and adhesives containing ceramic black materials, preferably polymer derived black ceramic materials, and in particular polysilocarb polymer derived ceramic materials.

IPC 8 full level

**C09D 183/04** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XA] US 2006022198 A1 20060202 - ARAMATA MIKIO [JP], et al
- [XA] CN 102299338 A 20111228
- [X] US 4833220 A 19890523 - FREY VOLKER [DE], et al
- [XI] US 5130400 A 19920714 - PACHALY BERND [DE]
- [XI] WO 2009133765 A2 20091105 - DOW CORNING TORAY CO LTD [JP], et al
- [IA] DHOKE S K ET AL: "Performance of black pigments incorporated in interpenetrating polymer network (IPN)", PROGRESS IN ORGANIC COATINGS, ELSEVIER BV, NL, vol. 56, no. 1, 1 May 2006 (2006-05-01), pages 53 - 58, XP027906294, ISSN: 0300-9440, [retrieved on 20060501]
- See references of WO 2015131167A1

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DOCDB simple family (publication)

**WO 2015131167 A1 20150903**; CA 2940675 A1 20150903; CA 2940678 A1 20150903; CN 106232748 A 20161214; CN 106459665 A 20170222; EP 3110895 A1 20170104; EP 3110895 A4 20180425; EP 3110896 A1 20170104; EP 3110896 A4 20180103; WO 2015131168 A1 20150903

DOCDB simple family (application)

**US 2015018210 W 20150228**; CA 2940675 A 20150228; CA 2940678 A 20150228; CN 201580021474 A 20150228; CN 201580023018 A 20150228; EP 15755755 A 20150228; EP 15755897 A 20150228; US 2015018211 W 20150228