

Title (en)

GROUP IV NANOPARTICLES AND FILMS THEREOF

Title (de)

GRUPPE-IV-NANOPARTIKEL UND FOLIEN DARAUS

Title (fr)

NANOPARTICULES DU GROUPE IV ET FILMS COMPRENANT CES NANOPARTICULES

Publication

**EP 2097195 A2 20090909 (EN)**

Application

**EP 07872740 A 20070822**

Priority

- US 2007076549 W 20070822
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- US 90176807 P 20070216
- US 77550907 A 20070710
- US 84246607 A 20070821

Abstract (en)

[origin: WO2008091393A2] A set of nanoparticles is disclosed. Each nanoparticle of the set of nanoparticles is comprised of a set of Group IV atoms arranged in a substantially spherical configuration. Each nanoparticle of the set of nanoparticles further having a sphericity of between about 1.0 and about 2.0; a diameter of between about 4 nm and about 100 nm; and a sintering temperature less than a melting temperature of the set of Group IV atoms.

IPC 8 full level

**B22F 1/00** (2006.01); **B22F 1/054** (2022.01); **B22F 1/0545** (2022.01)

CPC (source: EP US)

**B22F 1/054** (2022.01 - EP US); **B22F 1/0545** (2022.01 - EP US); **B22F 9/12** (2013.01 - EP); **B82Y 10/00** (2013.01 - EP); **B82Y 30/00** (2013.01 - EP); **C01B 32/05** (2017.07 - EP); **C01B 33/027** (2013.01 - EP US); **C01B 33/029** (2013.01 - EP); **H01L 21/2236** (2013.01 - EP); **H01L 29/0665** (2013.01 - EP); **H01L 29/0673** (2013.01 - EP); **H01L 29/068** (2013.01 - EP); **B22F 2998/00** (2013.01 - EP); **B22F 2999/00** (2013.01 - EP)

Citation (search report)

See references of WO 2008091393A2

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