

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



162162

(43) International publication date

11 November 2004 (11.11.2004)

PCT

(10) International publication number

WO 2004/096903 A2

(51) International patent classification⁷: C08K 3/00

(21) International application number: PCT/FR2004/001013

(22) International filing date: 27 April 2004 (27.04.2004)

(25) Language of filing: French

(26) Language of publication: French

(30) Data relating to the priority:
03/05,165 28 April 2003 (28.04.2003) FR

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(81) Designated states (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated states (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- Without International Search Report and to be republished upon receipt of that report.

For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.

As printed

A2

(54) Title: THERMOPLASTIC MATERIAL COMPRISING NANOMETRIC LAMELLAR COMPOUNDS

(54) Titre : MATERIAU THERMOPLASTIQUE COMPRENANT DES COMPOSES LAMELLAIRES NANOMETRIQUES

(57) Abstract: The invention relates to materials comprising a thermoplastic matrix and at least particles based on phosphate of zirconium, titanium, cerium and/or silicon in the form of nanometric lamellar compounds having a shape factor of less than 100. The aforementioned materials can be used, for example, for the production of plastic parts, such as films, sheets, tubes, hollow or solid bodies, bottles, conduits or tanks.

(57) Abrégé : La présente invention concerne des matériaux comprenant une matrice thermoplastique et au moins des particules à base de phosphate de zirconium, titane, cérium et/ou silicium sous la forme de composés lamellaires nanométriques présentant un facteur de forme inférieur à 100. Ces matériaux peuvent notamment être utilisés pour la fabrication de pièces plastiques, tel que par exemple des films, feuilles, tubes, corps creux ou plein, bouteilles, conduites ou réservoirs.



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