

(12) International Application Status Report

Received at International Bureau: 30 August 2007 (30.08.2007)

Information valid as of: (..)

Report generated on: 20 August 2019 (20.08.2019)

(10) Publication number:

WO2008/014109

(43) Publication date:

31 January 2008 (31.01.2008)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/US2007/073097

(22) Filing Date:

10 July 2007 (10.07.2007)

(25) Filing language:

English (EN)

(31) Priority number(s):

11/460,685 (US)

(31) Priority date(s):

28 July 2006 (28.07.2006)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

A61L 27/50 (2006.01); A61L 27/34 (2006.01)

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(54) Title (EN): SHAPE MEMORY POLYMER ARTICLES WITH A MICROSTRUCTURED SURFACE

(54) Title (FR): ARTICLES POLYMÈRES À MÉMOIRE DE FORME PRÉSENTANT UNE SURFACE MICROSTRUCTURÉE

(57) Abstract:

(EN): A shape memory polymer article is disclosed. The article may include a surface having a microstructure and it may include a shape memory polymer. The shape memory polymer may include a copolymer network. The copolymer network may be formed from the reaction product of a free radically polymerizable siloxane having greater than one functional free radically polymerizable group and at least one (meth)acrylate monomer.

(FR): La présente invention porte sur un article polymère à mémoire de forme. L'article peut inclure une surface comportant une microstructure ainsi qu'un polymère à mémoire de forme. Le polymère à mémoire de forme peut inclure un réseau copolymère. Le réseau copolymère peut être formé à partir du produit de réaction d'un siloxane polymérisable par voie radicalaire comportant plus d'un groupement fonctionnel polymérisable par voie radicalaire et d'un ou de plusieurs monomères acrylate ou méthacrylate.

International search report:

Received at International Bureau: 04 December 2007 (04.12.2007) [KR]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))