

(12) International Application Status Report

Received at International Bureau: 11 October 2017 (11.10.2017)

Information valid as of: 07 March 2018 (07.03.2018)

Report generated on: 18 September 2019 (18.09.2019)

(10) Publication number:

WO2018/062352

(43) Publication date:

05 April 2018 (05.04.2018)

(26) Publication language:

Japanese (JA)

(21) Application Number:

PCT/JP2017/035119

(22) Filing Date:

28 September 2017 (28.09.2017)

(25) Filing language:

Japanese (JA)

(31) Priority number(s):

2016-189720 (JP)

(31) Priority date(s):

28 September 2016 (28.09.2016)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

2016-225832 (JP)

21 November 2016 (21.11.2016)

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

C08J 5/18 (2006.01); **C08K 7/06** (2006.01); **C08L 101/00** (2006.01); **H05K 7/20** (2006.01)

(71) Applicant(s):

TEIJIN LIMITED [JP/JP]; 2-4, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 5300005 (JP) *(for all designated states)*

(72) Inventor(s):

CHA, Guemju; c/o Teijin Limited, 2-4, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 5300005 (JP)

KOMURA, Shinya; c/o Teijin Limited, 2-4, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 5300005 (JP)

DAIDO, Takahiro; c/o Teijin Limited, 2-4, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 5300005 (JP)

(74) Agent(s):

KIMURA, Yoshihiro; Room 1004, Maison-Sunshine, 1-4, Higashi-Ikebukuro 3-chome, Toshima-ku, Tokyo 1700013 (JP)

(54) Title (EN): HEAT DISSIPATION SHEET

(54) Title (FR): FEUILLE DE DISSIPATION DE CHALEUR

(54) Title (JA): 放熱シート

(57) Abstract:

(EN): The present invention provides a heat dissipation sheet comprising fibrous carbon and a polymer, wherein: the fibrous carbon has an average effective fiber length of 5-120 μm , an average fiber diameter of 200-900 nm, and an average aspect ratio of 30-10,000; and the heat dissipation sheet has a fibrous carbon content of 5-85% by mass with respect to the total amount of the fibrous carbon and the polymer.

(FR): La présente invention concerne une feuille de dissipation de chaleur comprenant du carbone fibreux et un polymère, le carbone fibreux présentant une longueur efficace moyenne de fibre de 5 à 120 μm , un diamètre moyen de fibre de 200-900 nm et un rapport d'aspect moyen de 30-10.000 ; et la feuille de dissipation de chaleur présente une teneur en carbone fibreux de 5-85 % en masse par rapport à la quantité totale du carbone fibreux et du polymère.

(JA): 本発明により、繊維状炭素と、ポリマーと、を含有して成る放熱シートであって、前記繊維状炭素は、平均実効繊維長が5～120 μm 、平均繊維径が200～900nm、平均アスペクト比が30～10000であり、前記繊維状炭素の含有率が、前記繊維状炭素と前記ポリマーとの合計量に対して5～85質量%である放熱シートが提供される。

International search report:

Received at International Bureau: 20 November 2017 (20.11.2017) [JP]

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

Not available

(81) Designated States:

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

European Patent Office (EPO) : AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR

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

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

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