

(12) International Application Status Report

Received at International Bureau: 08 August 2018 (08.08.2018)

Information valid as of: 18 February 2019 (18.02.2019)

Report generated on: 19 August 2019 (19.08.2019)

(10) Publication number:

WO2019/044313

(43) Publication date:

07 March 2019 (07.03.2019)

(26) Publication language:

Japanese (JA)

(21) Application Number:

PCT/JP2018/028329

(22) Filing Date:

27 July 2018 (27.07.2018)

(25) Filing language:

Japanese (JA)

(31) Priority number(s):

2017-164810 (JP)

(31) Priority date(s):

29 August 2017 (29.08.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

C09B 67/20 (2006.01); **B41J 2/01** (2006.01); **C09B 5/62** (2006.01); **C09B 57/12** (2006.01); **C09D 11/037** (2014.01); **C09D 11/322** (2014.01); **C09D 17/00** (2006.01); B41M 5/00 (2006.01)

(71) Applicant(s):

FUJIFILM CORPORATION [JP/JP]; 26-30, Nishiazabu 2-chome, Minato-ku, Tokyo 1068620 (JP) *(for all designated states)*

(72) Inventor(s):

NISHIMURA, Naoko; c/o FUJIFILM Corporation, 577, Ushijima, Kaisei-machi, Ashigarakami-gun, Kanagawa 2588577 (JP)
MORIYA, Kai; c/o FUJIFILM Corporation, 577, Ushijima, Kaisei-machi, Ashigarakami-gun, Kanagawa 2588577 (JP)

(74) Agent(s):

TAIYO, NAKAJIMA & KATO; 3-17, Shinjuku 4-chome, Shinjuku-ku, Tokyo 1600022 (JP)

(54) Title (EN): PIGMENT COMPOSITION, PRODUCTION METHOD THEREFOR, AND WATER-BASED INK COMPOSITION

(54) Title (FR): COMPOSITION DE PIGMENT, SON PROCÉDÉ DE PRODUCTION, ET COMPOSITION D'ENCRE À BASE D'EAU

(54) Title (JA): 顔料組成物及びその製造方法、並びに、水性インク組成物

(57) Abstract:

(EN): A pigment composition which comprises at least one pigment selected from the group consisting of perinone-based pigments and perylene-based pigments, water, a resin having a constituent unit represented by formula 1, and at least one compound selected from the group consisting of carboxyalkylated phthalimide compounds and carboxyalkylated naphthalimide compounds; a method for producing the pigment composition; and a water-based ink composition comprising the pigment composition. In formula 1, R¹ represents a hydrogen atom or a methyl group, L² represents -C(=O)O-, -OC(=O)-, or -C(=O)NR²-, R² represents a hydrogen atom or a C₁₋₆ alkyl group, and R³ represents a C₆ or higher alkyl group.

(FR): L'invention concerne une composition de pigment qui comprend au moins un pigment choisi dans le groupe constitué par des pigments à base de péricone et des pigments à base de pérylène, de l'eau, une résine possédant un motif constitutif représenté par la formule 1, et au moins un composé choisi dans le groupe constitué par des composés de phthalimide carboxyalkylé et des composés de naphthalimide carboxyalkylé; un procédé de production de la composition de pigment; et une composition d'encre à base d'eau comprenant la composition de pigment. Dans la formule 1, R¹ représente un atome d'hydrogène ou un groupe méthyle, L² représente -C(=O)O-, -OC(=O)-, ou -C(=O)NR²-, R² représente un atome d'hydrogène ou un groupe alkyle en C₁₋₆, et R³ représente un groupe alkyle en C₆ ou supérieur.

(JA): ペリノン系顔料及びペリレン系顔料よりなる群から選ばれた少なくとも1種の顔料と、水と、式1で表される構成単位を有する樹脂と、カルボキシアルキル基を有するフタルイミド化合物及びカルボキシアルキル基を有するナフタルイミド化合物よりなる群から選ばれた少なくとも1種の化合物とを含む顔料組成物及びその製造方法、並びに、

上記顔料組成物を用いた水性インク組成物。式 1 中、 R^1 は水素原子又はメチル基を表し、 L^2 は $-C(=O)O-$ 、 $-OC(=O)-$ 又は $-C(=O)NR^2-$ を表し、 R^2 は水素原子又は炭素数 1 ~ 6 のアルキル基を表し、 R^3 は炭素数 6 以上のアルキル基を表す。

International search report:

Received at International Bureau: 29 October 2018 (29.10.2018) [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