

(12) International Application Status Report

Received at International Bureau: 04 March 2020 (04.03.2020)

Information valid as of: 12 March 2020 (12.03.2020)

Report generated on: 21 January 2021 (21.01.2021)

(10) Publication number:

WO2020/195367

(43) Publication date:

01 October 2020 (01.10.2020)

(26) Publication language:

Japanese (JA)

(21) Application Number:

PCT/JP2020/006493

(22) Filing Date:

19 February 2020 (19.02.2020)

(25) Filing language:

Japanese (JA)

(31) Priority number(s):

2019-064029 (JP)

(31) Priority date(s):

28 March 2019 (28.03.2019)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

G02B 5/18 (2006.01); **B42D 25/328** (2014.01); **B42D 25/435** (2014.01); **B32B 7/023** (2019.01)

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(54) Title (EN): DISPLAY BODY

(54) Title (FR): CORPS D’AFFICHAGE

(54) Title (JA): 表示体

(57) Abstract:

(EN): The present invention provides a technology with which a display body for displaying an image of a structural color can be manufactured in a short time. This display body (1A) includes: a multilayer film (13) including a laminate that comprises two or more dielectric layers (13a, 13b) having different refractive indexes, and has one or more recesses (RR, RG, RB) on one principal surface; and one or more reflection planes that face the other principal surface of the laminate, and, when light in a visible range is incident on the multilayer film (13), causes light emitted from the other principal surface to be incident on the other principal surface at an incidence angle different from the emission angle of the light.

(FR): La présente invention concerne une technologie avec laquelle un corps d’affichage pour afficher une image d’une couleur structurale peut être fabriqué en un court laps de temps. Ce corps d’affichage (1A) comprend : un film multicouche (13) comprenant un stratifié qui comprend deux couches diélectriques ou plus (13a, 13b) ayant différents indices de réfraction, et a un ou plusieurs évidement(s) (RR, RG, RB) sur une surface principale ; et un ou plusieurs plan(s) de réflexion qui fait/ont face à l’autre surface principale du stratifié, et, lorsque la lumière dans une plage visible est incidente sur le film multicouche (13), amène(nt) la lumière émise par l’autre surface principale à être incidente sur l’autre surface principale à un angle d’incidence différent de l’angle d’émission de la lumière.

(JA): 構造色の画像を表示する表示体を短い時間で製造可能とする技術を提供する。本発明の表示体(1A)は、屈折率が異なる2以上の誘電体層(13a, 13b)からなり、1以上の凹部(RR, RG, RB)を一方の主面に有している積層体を含んだ多層膜(13)と、前記積層体の他方の主面と各々が向き合い、前記多層膜(13)に可視域内の光を入射させた場合に前記他方の主面から射出される光を、この光の射出角とは異なる入射角で前記他方の主面に入射させる1以上の反射面とを含んでいる。

International search report:

Received at International Bureau: 23 March 2020 (23.03.2020) [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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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

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