

(12) International Application Status Report

Received at International Bureau: 15 January 2020 (15.01.2020)

Information valid as of: 16 January 2020 (16.01.2020)

Report generated on: 19 June 2021 (19.06.2021)

(10) Publication number:

WO2020/138172

(43) Publication date:

02 July 2020 (02.07.2020)

(26) Publication language:

Japanese (JA)

(21) Application Number:

PCT/JP2019/050831

(22) Filing Date:

25 December 2019 (25.12.2019)

(25) Filing language:

Japanese (JA)

(31) Priority number(s):

2018-247703 (JP)

(31) Priority date(s):

28 December 2018 (28.12.2018)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

D06C 29/00 (2006.01); **D04H 1/498** (2012.01); **A61F 13/15** (2006.01); **A61F 13/511** (2006.01)

(71) Applicant(s):

UNICHARM CORPORATION [JP/JP]; 182, Shimobun, Kinsei-cho, Shikokuchuo-City, Ehime 7990111 (JP) *(for all designated states)*

(72) Inventor(s):

KIMURA, Akihiro; c/o UNICHARM CORPORATION Technical Center, 1531-7, Wadahama, Toyohama-cho, Kanonji-shi, Kagawa 7691602 (JP)

DETANI, Ko; c/o UNICHARM CORPORATION Technical Center, 1531-7, Wadahama, Toyohama-cho, Kanonji-shi, Kagawa 7691602 (JP)

NOMOTO, Takashi; c/o UNICHARM CORPORATION Technical Center, 1531-7, Wadahama, Toyohama-cho, Kanonji-shi, Kagawa 7691602 (JP)

NANAUMI, Hisataka; c/o UNICHARM CORPORATION Technical Center, 1531-7, Wadahama, Toyohama-cho, Kanonji-shi, Kagawa 7691602 (JP)

(74) Agent(s):

ISSHIKI & CO.; Mita-Nitto Daibiru Bldg., 11-36, Mita 3-chome, Minato-ku, Tokyo 1080073 (JP)

(54) Title (EN): METHOD FOR MANUFACTURING SHEET MEMBER AND DEVICE FOR MANUFACTURING SHEET MEMBER

(54) Title (FR): PROCÉDÉ PERMETTANT DE FABRIQUER UN ÉLÉMENT EN FEUILLE ET DISPOSITIF PERMETTANT DE FABRIQUER UN ÉLÉMENT EN FEUILLE

(54) Title (JA): シート部材の製造方法及びシート部材の製造装置

(57) Abstract:

(EN): This method for manufacturing a sheet member (70) which is for an absorbent article and has a textile (40) and a fiber assembly (50) that is entangled with the textile (40), is characterized by having: an arranging step for arranging the fiber assembly (50) on at least one surface of the textile (40) that is continuous in the conveyance direction; an entangling step for jetting a fluid toward the textile (40) and the fiber assembly (50) after the arranging step, and causing the fiber assembly (50) to be entangled with the textile (40); and a cutting step for cutting both end sections of the fiber assembly (50) in a CD direction that crosses the conveyance direction after the entangling step, wherein the maximum length in the CD direction of the fiber assembly (50) is no less than the length in the CD direction of the textile (40).

(FR): L'invention concerne un procédé permettant de fabriquer un élément en feuille (70) qui est destiné à un article absorbant et qui contient un textile (40) et un assemblage de fibres (50) qui est enchevêtré avec le textile (40). Ledit procédé est caractérisé en ce qu'il comprend : une étape d'agencement pour agencer l'assemblage de fibres (50) sur au moins une surface du textile (40) qui est continue dans la direction de transport ; une étape d'enchevêtrement pour projeter un fluide vers le textile (40) et l'assemblage de fibres (50) après l'étape d'agencement et pour amener l'assemblage de fibres (50) à s'emmêler avec le textile (40) ; et une étape de coupe pour couper les deux sections terminales de l'assemblage de fibres (50) dans une direction CD qui croise la direction

de transport après l'étape d'enchevêtrement, la longueur maximale dans la direction CD de l'assemblage de fibres (50) n'étant pas inférieure à la longueur dans la direction CD du textile (40).

(JA): 織物(40)と、織物(40)に交絡させた状態の繊維集合体(50)と、を有する吸収性物品用のシート部材(70)の製造方法であって、搬送方向に連続する織物(40)の少なくとも一方の面の側に繊維集合体(50)を配置する配置ステップと、前記配置ステップの後に、織物(40)及び繊維集合体(50)に向かって流体を噴射して、織物(40)に繊維集合体(50)を交絡させる交絡ステップと、交絡ステップの後に、搬送方向と交差するCD方向における繊維集合体(50)の両端部を切断する切断ステップと、を有し、繊維集合体(50)のCD方向の最大長さが、織物(40)のCD方向の長さ以上であることを特徴とするシート部材(70)の製造方法である。

International search report:

Received at International Bureau: 17 February 2020 (17.02.2020) [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, 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