

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
05 December 2024 (05.12.2024)



(10) International Publication Number
WO 2024/249853 A2

(51) International Patent Classification:
B29C 65/48 (2006.01)

(21) International Application Number:
PCT/US2024/031992

(22) International Filing Date:
31 May 2024 (31.05.2024)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/470,673 02 June 2023 (02.06.2023) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report (Rule 48.2(g))

(54) Title: AREA-SPECIFIC CLEANING METHODS FOR BONDING APPLICATIONS

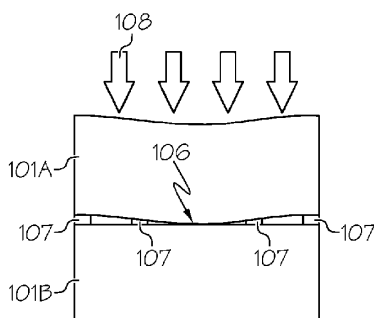


FIG. 1B

(57) Abstract: A method for bonding with precision alignment. Droplets of volatile liquid are dispensed at pre-specified locations on a first bonding surface or a second bonding surface. Precision alignment is enabled by the lubricated relative motion due to the volatile liquid being deployed between the first and second bonding surfaces, where a first portion of the droplets of the volatile liquid is dispensed at a center of the first or second bonding surface, and where a second portion of the droplets of the volatile liquid is dispensed at an edge of the first bonding surface and/or the second bonding surface. The first and second portions of the droplets of the volatile liquid enable bowing of the first bonding surface with respect to the second bonding surface such that evaporation of the droplets of volatile liquid causes a center of the first and second bonding surfaces to make contact with each other.

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