

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 December 2005 (29.12.2005)

PCT

(10) International Publication Number
WO 2005/123273 A1

- (51) International Patent Classification⁷: **B05D 1/18**, C08G 77/00
- (21) International Application Number: PCT/NL2005/000449
- (22) International Filing Date: 21 June 2005 (21.06.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 04076809.5 21 June 2004 (21.06.2004) EP
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TAILOR-MADE FUNCTIONALIZED SILICON AND/OR GERMANIUM SURFACES

(57) Abstract: The present invention relates to functionalized silicon and/or germanium surfaces, methods for the preparation of such tailor-made functionalized silicon and/or germanium surfaces, the use of such tailor-made functionalized silicon and/or germanium surfaces for the preparation of surface-bonded organic materials and the use in industrial devices. The silicon and/or germanium surfaces comprise silicon nitride, silicon carbide, germanium nitride, germanium carbide and silicon germanium surfaces.

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