

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 March 2007 (22.03.2007)

PCT

(10) International Publication Number
WO 2007/031775 A1

(51) International Patent Classification:

D06M 13/513 (2006.01) D06M 10/08 (2006.01)
D06M 10/00 (2006.01)

(21) International Application Number:

PCT/GB2006/003440

(22) International Filing Date:

15 September 2006 (15.09.2006)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/722,399 15 September 2005 (15.09.2005) US
0608534.4 28 April 2006 (28.04.2006) GB

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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, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, LV, 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: METHOD FOR ATTACHMENT OF SILICON-CONTAINING COMPOUNDS TO A SURFACE AND FOR THE SYNTHESIS OF HYPERVALENT SILICON-COMPOUNDS

(57) Abstract: A method for the chemical attachment of one or more silicon-containing compounds to a substrate, the method comprising: providing one or more silicon-containing compounds selected from siloxane compounds, silanol compounds, silyl ether compounds, silanolate compounds, halosilane compounds, silatrane compounds, and silazane compounds; contacting one or more of the silicon-containing compounds with a surface of a substrate having one or more nucleophilic sites thereon; and exposing the silicon-containing compounds and the surface to electromagnetic radiation having a frequency from 0.3 to 30 GHz.



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