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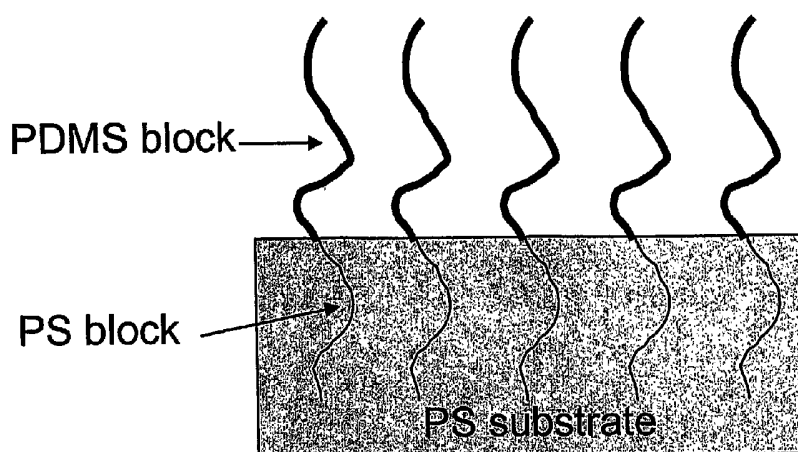
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- (71) Applicant (for all designated States except US): THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK [US/US]; 110 Low Memorial Library, 535 West 116th Street, New York, NY 10027 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KOBERSTEIN, Jeffrey, T. [US/US]; 116 Wildwood Road, Storrs Mansfield, CT 06268 (US). WANG, Peng [CN/US]; 656 West 171st Street, New York, NY 10032 (US).
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(54) Title: METHODS OF MODIFYING SURFACES



(57) Abstract: The present invention is directed to methods for coating monolayer films of surface-active polymers onto substrates of arbitrary shape. The present invention also provides molecular-based methods and processes that can be used to control the chemical and physical nature of surfaces and interfaces. The present invention is directed to methods for modifying a substrate having a surface comprising coating a macromolecular surfactant comprising modifiable functional group onto the surface, wherein the modifiable functional group assembles to the air-coating interface, thereby modifying the surface of the substrate; wherein if the substrate comprises a first polymer and the macromolecular surfactant comprises a second polymer having a modifiable functional group, then the group is not modifiable by an acid to functionally modify the surface of the substrate. The invention is directed to devices made by these methods.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

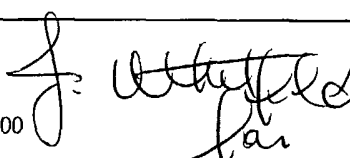
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,539,061 A (SAGIV) 03 September 1985 (03.09.1985), entire document.	1-13, 15, 19, 20, 23, 24, 26, 46, 47
X	US 2002/0107159 A1 (DESIMONE et al) 03 February 2004 (03.02.2004), entire document.	27, 29-45, 48, 49
X	US 5,514,501 A (TARLOV) 07 May 1996 (07.05.1996), entire document.	55, 56, 58-69
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer William P. Fletcher III  Telephone No. (571) 272-1700	