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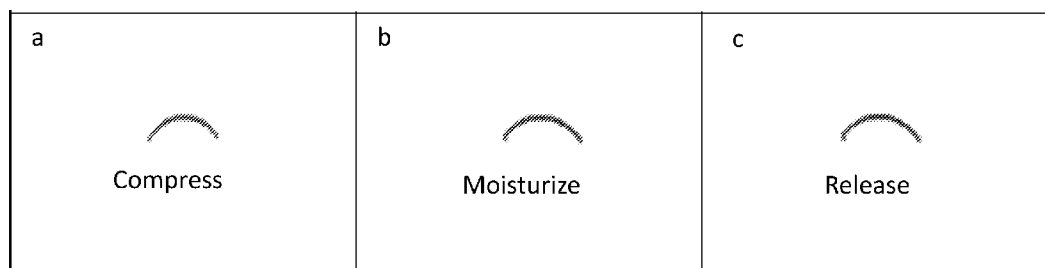
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(54) Title: METHODS FOR RESHAPING AND BONDING GRAPHENE OXIDE-BASED ARCHITECTURES

FIG. 2B



(57) Abstract: Methods for reshaping graphene oxide sheet-containing structures using water are provided. Graphene oxide sheet-containing structures can be reshaped by applying a force to a graphene oxide sheet-containing structure, wherein the force changes the initial shape of the structure to a new shape. While the force is still acting on the graphene oxide sheet-containing structure, liquid water is applied to the structure to dissipate stress induced by the force and the structure is then dried. When the force is removed, the graphene oxide sheet-containing structure remains fixed in the new shape.



INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC - C01B 32/182, 32/198; C08K 3/04 (2019.01)
 CPC - C01B 32/182, 32/198; C08K 3/042

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 See Search History document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN 105336551 A (UNIV EAST CHINA NORMAL) 17 February 2016; abstract	13-16
Y	(NAKAMURA, T et al.) "Preparation of large-area reduced graphene oxide-smectite composite film and its electromagnetic shielding effectiveness" Clay Science; 05 January 2015 pages 107-115	13-15
Y	US 9,327,985 B2 (FUGETSU, B) 03 May 2016; column 2, lines 36-41; column 6, lines 12-26	13, 16
A	(JIANG, Y et al.) "Versatile Graphene Oxide Putty-Like Material" Advanced Materials; 2016; pages 10287-10292	1/12
A	CN 106868715 A (NANJING XINYUE MAT SCIENCE & TECH CO LTD) 20 June 2017; abstract; claim 1	1-12
A	CN 106380865 A (UNIV WUHAN TECH) 08 February 2017; abstract	1-12
A	WO 2008/143829 A2 (NORTHWESTERN UNIVERSITY) 27 November 2008; abstract; page 2, SUMMARY OF THE INVENTION; ; page 4, last paragraph; page 5, first paragraph	1-12

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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