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(54) Title: A ONE POT, SELF-ASSEMBLED PROCESS FOR PRODUCING INDIVIDUAL AND DISPERSIBLE GRAPHENE NANO-SPHERES

(57) Abstract: The present invention discloses a one pot, self-assembled process for producing individual and dispersible graphene nano-spheres in near ambient conditions for easy confinement of cargo/active functional materials having important applications in bio imaging, optoelectronics and drug delivery.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
 C01B

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

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

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GUARDIA L ET AL: "Synthesis and characterization of graphenemesoporous silica nanoparticle hybrids", MICROPOROUS AND MESOPOROUS MATERIALS, ELSEVIER SCIENCE PUBLISHING, NEW YORK, US, vol. 160, 24 April 2012 (2012-04-24), pages 18-24, XP028401991, ISSN: 1387-1811, DOI: 10.1016/J.MICROMESO.2012.04.038 [retrieved on 2012-05-02] abstract paragraph [Experimental] ----- -/--	1-10



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Min Zhou ET AL: "Synthesis and Capacitive Performances of Graphene/N-Doping Porous Carbon Composite with High Nitrogen Content and Two-Dimensional Nanoarchitecture", Int. J. Electrochem. Sci. International Journal, 1 January 2012 (2012-01-01), pages 9984-9996, XP055205310, Retrieved from the Internet: URL:http://www.electrochemsci.org/papers/vol17/71009984.pdf [retrieved on 2015-07-29] abstract paragraph [ExperimentalPart] -----	1-7