

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/073584

**A. CLASSIFICATION OF SUBJECT MATTER**

H01B 1/24(2006.01)i; H01B 13/00(2006.01)i; B81B 3/00(2006.01)i; B81C 1/00(2006.01)i

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)

G01B, H01B, B81B, B81C

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)

CNPAT, CNKI, WPI, EPODOC, Google Scholar: strain sensor, piezoresistive, pressure-sensitive, porous, PDMS, template, NaCL, sugar remov+, pressure sensor, slurry, 压敏, 压阻, 传感器, 多孔, 浆料, 碳, 碳纳米管, 石墨烯, 模板, 糖, 氯化钠, 溶剂, 去除, 溶解, 混合

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MCCALL, R.W. et al. "Piezoelectric Nanoparticle-Polymer Composite Foams" <i>"Advanced Materials"</i> , Vol. 6, No. (22), 29 October 2014 (2014-10-29), p. 19505	1-11
A	CN 102443274 A (SUZHOU INSTITUTE OF NANO-TECH AND NANO-BIONICS (SINANO), CHINESE ACADEMY OF SCIENCES) 09 May 2012 (2012-05-09) claims 1-11	1-11
A	CN 1511874 A (INSTITUTE OF CHEMISTRY CHINESE ACADEMY OF SCIENCES) 14 July 2004 (2004-07-14) claims 1-13	1-11
A	WU, Shuying et al. "Porous PDMS/CNFS Composites for Stretchable Strain" <i>"21st International Conference on Composite Materials Xi'an"</i> , 25 August 2017 (2017-08-25), page 3	1-11
A	FAN, Junyou et al. "Stretchable Porous Carbon Nanotube-Elastomer Hybrid Nanocomposite for Harvesting Mechanical Energy" <i>"Advanced Materials"</i> , Vol. 29, No. (2), 21 November 2016 (2016-11-21), pages 6-7	1-11

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

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

21 August 2019

Date of mailing of the international search report

09 September 2019

Name and mailing address of the ISA/CN

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**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/CN2019/073584**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	102443274	A	09 May 2012	CN	102443274	B	01 January 2014
CN	1511874	A	14 July 2004	None			