

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/115939

A. CLASSIFICATION OF SUBJECT MATTER		
H04R 31/00(2006.01)j		
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)		
H04R 31/-;H04R 9/-		
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)		
CNABS, CNTXT, CNKI, 读秀, DUXIU, VEN, USTXT, WOTXT, EPTXT, 活性炭, 碳, 氢, 氧, 吸音, 吸声, 石墨, 质量, 堆积密度, 微晶, 二维, 三维, active carbon, carcoal, carbon, hydrogen, oxygen, sound absorb, lead, quality, bulk density, minicrystal, two dimension, three dimension		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN 105516880 A (GOERTEK INC.) 20 April 2016 (2016-04-20) description, paragraphs [0004]-[0011] and [0034]-[0049], and figures 1 and 2	1-10
Y	HUANG, Zhenxing. "活性炭各种性能的试验研究方法 (non-official translation: Experimental Research Methods of Various Properties of Activated Carbon)" <i>活性炭技术基础 (non-official translation: Basic Technology of Activated Carbon)</i> , 31 December 2006 (2006-12-31), page 302, lines 1-20, page 343, lines 1-5, and page 344, line 30 to page 345, line 5	1-10
A	US 2011048844 A (NXP B.V.) 03 March 2011 (2011-03-03) entire document	1-10
A	CN 102161671 A (SUN YAT-SEN UNIVERSITY) 24 August 2011 (2011-08-24) entire document	1-10
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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		Date of mailing of the international search report
28 December 2019		14 January 2020
Name and mailing address of the ISA/CN		Authorized officer
China National Intellectual Property Administration (ISA/CN) No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088 China		
Facsimile No. (86-10)62019451		Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	105516880	A	20 April 2016	CN	105516880	B	04 January 2019
US	2011048844	A	03 March 2011	EP	2293592	A1	09 March 2011
CN	102161671	A	24 August 2011	CN	102161671	B	07 May 2014