



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 83 73 01

Classification of the application (IPC):

H01M 4/04, H01M 4/131, H01M 4/134, H01M 4/1391, H01M 4/1395, H01M 4/36, H01M 4/38, H01M 4/48, H01M 4/525, H01M 4/587, H01M 4/62, H01G 11/36, H01G 11/86, H01M 10/052

Technical fields searched (IPC):

H01M 4/04, H01M 4/131, H01M 4/134, H01M 4/1391, H01M 4/1395, H01M 4/36, H01M 4/38, H01M 4/48, H01M 4/525, H01M 4/587, H01M 4/62, H01G 11/36, H01G 11/86, H01M 10/052

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2011111279 A1 (SMITHYMAN JESSE [US] ET AL) 12 May 2011 (2011-05-12) * paragraphs [0002], [0017], [0018], [0043], [0051], [0072], [0088], [0099], [0100], [0104], [0123]; claims 1, 4, 7, 10-12, 19, 28; figure 1 *	1, 3, 4, 6-15
X	JP 2016025077 A (CNANO TECHNOLOGY LTD) 08 February 2016 (2016-02-08) * paragraphs [0004], [0005], [0010], [0057], [0059], [0061]; claims 1, 3, 4, 5, 9, 15 *	1, 3, 6, 7, 10, 11
X	JP 2016054113 A (NIPPON ZEON CO; UNIV KYUSHU) 14 April 2016 (2016-04-14) * paragraphs [0001], [0055], [0083]; claims 1, 2, 7, 9, 11 *	1, 3, 4, 6-9
X	LIU HONG ET AL: "One-step in situ preparation of liquid-exfoliated pristine graphene/Si composites: towards practical anodes for commercial lithium-ion batteries" <i>NEW JOURNAL OF CHEMISTRY</i> GB 20 June 2016 (2016-06-20), vol. 40, no. 8, pages 7053-7060 URL: https://pubs.rsc.org/en/content/articlepdf/2016/nj/c6nj01234e , ISSN: 1144-0546, XP093211201 * abstract; part "Experimental - Preparation of the Gra/Si composite"; figures 1(a)-1(c) *	1, 2, 6-13, 15
X	SHU KEWEI ET AL: "A "Tandem" Strategy to Fabricate Flexible Graphene/ Polypyrrole Nanofiber Film Using the Surfactant-Exfoliated Graphene for Supercapacitors" <i>APPLIED MATERIALS & INTERFACES</i> US 08 June 2018 (2018-06-08), vol. 10, no. 26, DOI: 10.1021/acsami.8b03901, ISSN: 1944-8244, pages 22031-22041, XP093211213 * abstract; parts 2.1, 2.2, 3.1; figures Figs. 3(a)-3(b) *	1, 2, 5-13, 15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 02 October 2024	Examiner Fauché, Yann
------------------------------	---	--------------------------

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 20 83 73 01

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 02-10-2024.
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2011111279	A1	12-05-2011	NONE	
JP 2016025077	A	08-02-2016	CN 105280904 A	27-01-2016
			JP 6857443 B2	14-04-2021
			JP 2016025077 A	08-02-2016
			KR 20160011558 A	01-02-2016
JP 2016054113	A	14-04-2016	NONE	